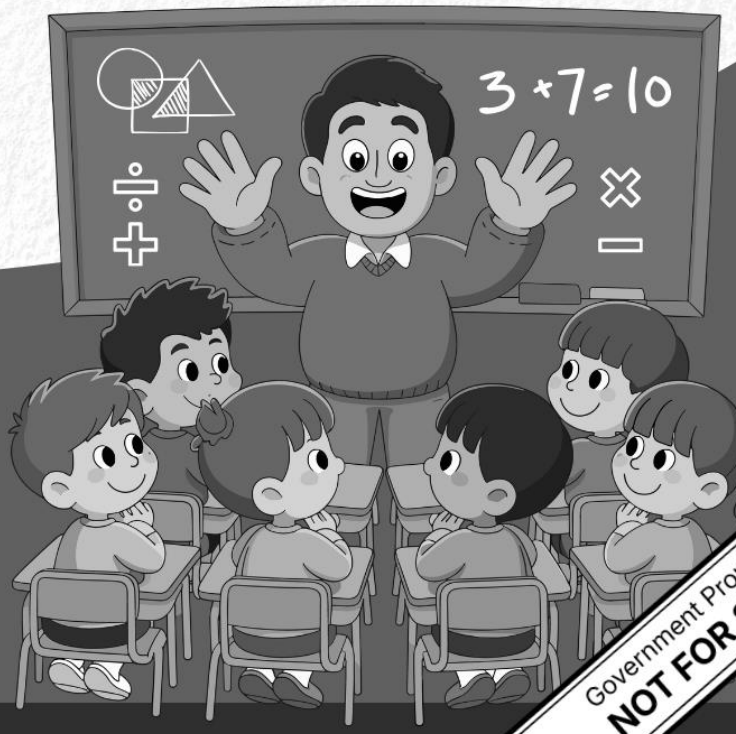
Academic Recovery and Accessible Learning

ARAL PROGRAM

LEARNER'S WORKSHEETS

MATH

GRADE 5



ARAL-Mathematics Learner's Worksheets
Key Stage 2 – Grade 5

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Visualizing Numbers

On the space provided, write the total amount equivalent to the objects shown.

10,000	1,000	100	10	1

1) 10,000 10,000 1,000 100 100 10 10 _____

2) 10,000 1,000 1,000 100 100 100 10 _____

3) 10,000 1,000 100 100 100 10 10 1 _____

4) 1,000 1,000 1,000 1,000 100 100 _____

5) 10,000 100 100 10 10 10 1 1 1 _____

6) 10,000 10,000 1,000 100 10 1 1 _____

7) 10,000 100 100 100 10 10 10 1 _____

8) 1,000 1,000 1,000 1,000 10 10 1 1 _____

9) 10,000 1,000 1,000 1,000 100 100 1 _____

10) 1,000 1,000 100 100 100 10 10 1 1 1 _____

11) 1,000 1,000 1,000 100 10 10 1 1 _____

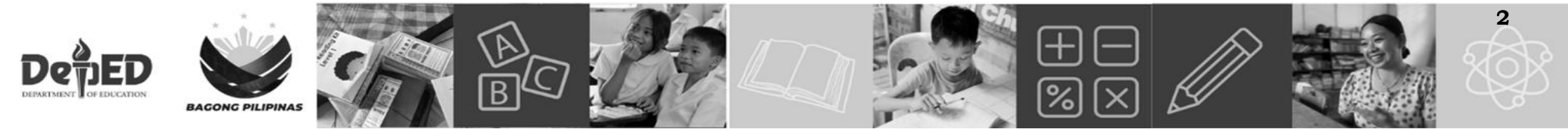
12) 10,000 100 100 10 10 10 10 _____

13) 10,000 1,000 100 10 10 1 1 1 1 _____

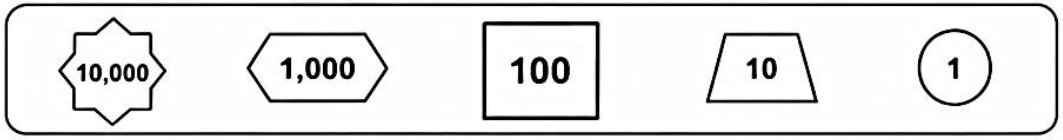
14) 1,000 1,000 100 100 100 100 10 1 _____

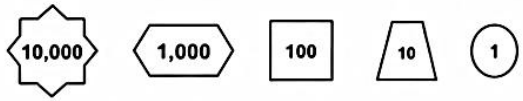
15) 10,000 10,000 1,000 1,000 100 10 _____

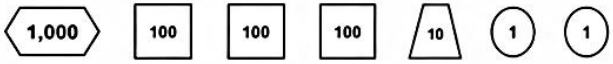
16) 10,000 1,000 1,000 100 100 10 10 1 1 _____

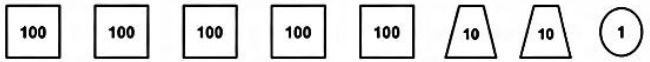


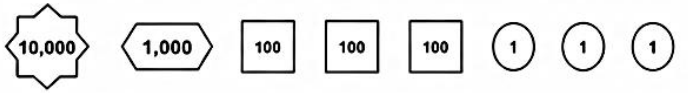
ARAL Math Grade 5 Worksheet 1 (Part 2)

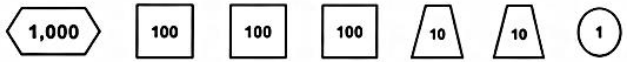


17)  _____

18)  _____

19)  _____

20)  _____

21)  _____

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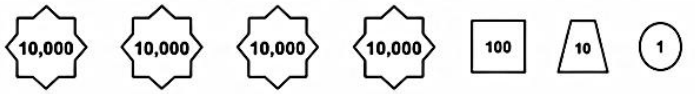
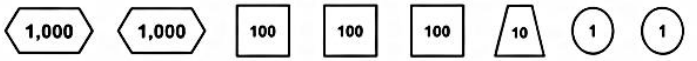
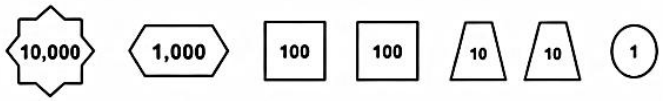
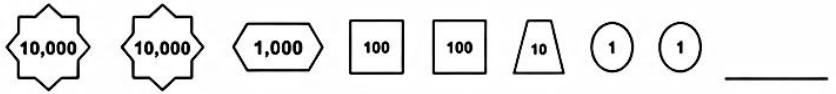
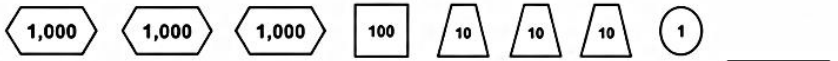
23)  _____

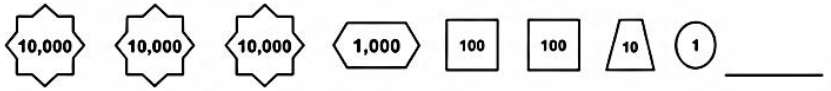
24)  _____

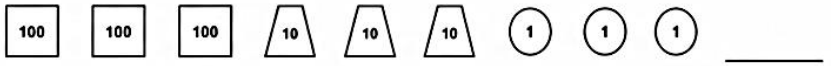
25)  _____

26)  _____

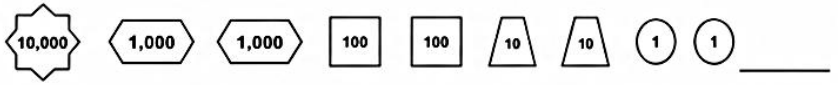
27)  _____

28)  _____

29)  _____

30)  _____

31)  _____

32)  _____

ARAL Math Grade 5 Worksheet 1 (Part 3)

50,000	10,000	1,000	100	10	1

33) 10,000 1,000 1,000 100 100 10 1 1 _____

34) 1,000 1,000 100 100 100 10 10 1 1 _____

35) 10,000 10,000 1,000 100 100 100 10 1 _____

36) 1,000 1,000 1,000 100 10 10 1 1 1 _____

37) 10,000 100 100 100 10 10 10 1 _____

38) 10,000 10,000 1,000 1,000 1,000 10 10 _____

39) 100 100 100 100 10 10 1 1 1 _____

40) 10,000 1,000 100 100 10 1 _____

41) 10,000 10,000 10,000 100 100 10 10 1 _____

42) 1,000 100 100 100 100 10 1 1 _____

43) 10,000 1,000 1,000 1,000 100 100 10 _____

44) 100 100 10 10 10 1 1 1 1 _____

45) 10,000 10,000 1,000 100 10 10 1 _____

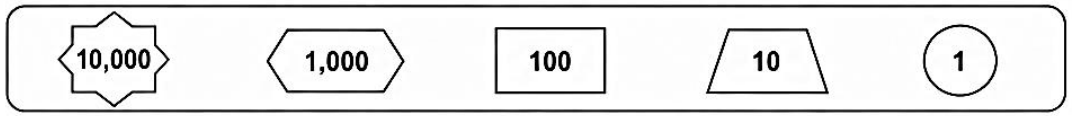
46) 50,000 10,000 10,000 10,000 100 10 1 1 _____

47) 50,000 10,000 10,000 10,000 10,000 100 100 10 _____

48) 50,000 10,000 10,000 10,000 10,000 1,000 1,000 100 10 _____

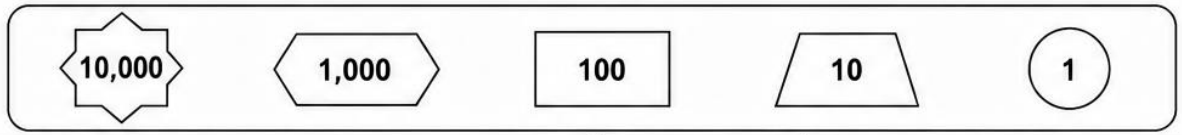
ARAL Math Grade 5 Worksheet 2 (Part 1)

Directions: Look at the number given. Draw the objects that show its value.



1) 12,345		11) 11,111	
2) 23,476		12) 21,343	
3) 34,102		13) 31,212	
4) 45,678		14) 41,987	
5) 56,789		15) 50,050	
6) 67,890		16) 60,606	
7) 78,901		17) 70,707	
8) 89,120		18) 80,808	
9) 98,765		19) 90,909	
10) 10,234		20) 99,999	

ARAL Math Grade 5 Worksheet 2 (Part 2)

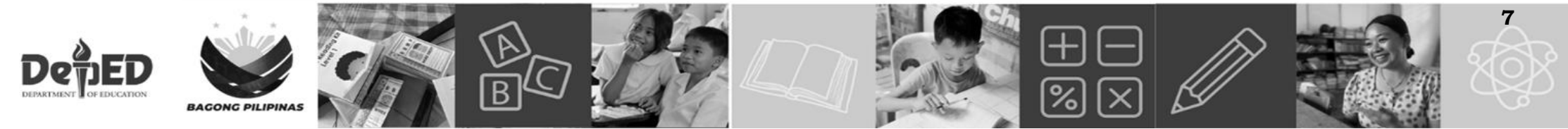


21) 25,678		31) 33,033	
22) 35,210		32) 44,444	
23) 42,341		33) 55,555	
24) 53,456		34) 66,666	
25) 62,500		35) 77,777	
26) 72,345		36) 88,888	
27) 82,456		37) 99,090	
28) 91,234		38) 17,890	
29) 14,407		39) 28,180	
30) 24,024		40) 39,390	

ARAL Math Grade 5 Worksheet 2 (Part 3)

10,000	1,000	100	10	1

41) 10,000 10,000 10,000 1,000 100 100 10 1 _____	49) 10,000 10,000 1,000 1,000 100 100 10 10 1 _____
42) 1,000 1,000 1,000 100 100 100 10 1 1 ___	50) 10,000 1,000 100 100 10 10 10 1 1 _____
43) 10,000 1,000 1,000 100 10 10 1 1 1 _____	51) 1,000 1,000 100 100 100 100 10 1 _____
44) 100 100 100 10 10 10 10 1 1 _____	52) 10,000 10,000 1,000 1,000 100 10 1 1 _____
45) 10,000 10,000 1,000 100 100 10 10 1 _____	53) 100 100 100 100 100 10 10 1 1 1 1 _____
46) 1,000 1,000 1,000 1,000 100 100 10 1 1 ___	54) 10,000 1,000 1,000 100 100 100 10 10 1 _____
47) 10,000 100 100 100 10 10 10 1 1 1 _____	55) 1,000 100 100 100 100 100 10 1 _____
48) 10,000 1,000 1,000 100 10 1 1 1 _____	56) 10,000 10,000 10,000 1,000 100 100 10 1 _____



ARAL Math Grade 5 Worksheet 3 (Part 1)

Find the value and place value of each digit.		
	Value of the Number	Place Value
1) 5 in 29,151		
2) 1 in 54,251		
3) 8 in 86,172		
4) 3 in 38,758		
5) 7 in 72,838		
6) 5 in 90,512		
7) 5 in 54,418		
8) 8 in 85,371		
9) 1 in 51,523		
10) 2 in 24,655		

	Value of the Number	Place Value
11) 4 in 62,545		
12) 6 in 64,782		
13) 4 in 47,967		
14) 9 in 11,947		
15) 8 in 56,784		
16) 5 in 5,319		
17) 7 in 87,340		
18) 1 in 84,155		
19) 9 in 97,323		
20) 3 in 94,399		

ARAL Math Grade 5 Worksheet 3 (Part 2)

Determine and write the value and place value of 3 in each number.			**Determine and write the value and place value of 6 in each number.**		
	Value of the Number	Place Value		Value of the Number	Place Value
21) 93,879			31) 97,162		
22) 35,181			32) 21,746		
23) 1,397			33) 60,531		
24) 41,213			34) 46,810		
25) 89,938			35) 6,324		
Determine and write the value and place value of 5 in each number.			**Determine and write the value and place value of 9 in each number.**		
	Value of the Number	Place Value		Value of the Number	Place Value
26) 58,916			36) 9,412		
27) 35,090			37) 91,578		
28) 9,095			38) 29,122		
29) 21,531			39) 41,955		
30) 23,451			40) 74,129		

ARAL Math Grade 5 Worksheet 3 (Part 3)

Determine and write the value and place value of 2 in each number.		
	Value of the Number	Place Value
41) 42,718		
42) 26,531		
43) 72,946		
44) 13,215		
45) 80,462		

Determine and write the value and place value of 7 in each number.		
	Value of the Number	Place Value
46) 37,501		
47) 67,284		
48) 19,763		
49) 74,095		
50) 87,630		

Determine and write the value and place value of 4 in each number.		
	Value of the Number	Place Value
51) 84,259		
52) 14,837		
53) 64,701		
54) 42,963		
55) 35,124		

Determine and write the value and place value of 8 in each number.		
	Value of the Number	Place Value
56) 18,526		
57) 68,341		
58) 82,769		
59) 90,483		
60) 28,150		

ARAL Math Grade 5 Worksheet 4 (Part 1)

Give the value of the number corresponding to the given place value.	
64,259	
ones	1)
ten thousands	2)
tens	3)
hundreds	4)
thousands	5)
49,402	
hundreds	6)
tens	7)
ones	8)
ten thousands	9)
thousands	10)

3,546	
thousands	11)
hundreds	12)
tens	13)
ones	14)
93,546	
tens	15)
thousands	16)
ten thousands	17)
hundreds	18)
ones	19)
1,234	
ones	20)
hundreds	21)
tens	22)
thousands	23)

ARAL Math Grade 5 Worksheet 4 (Part 2)

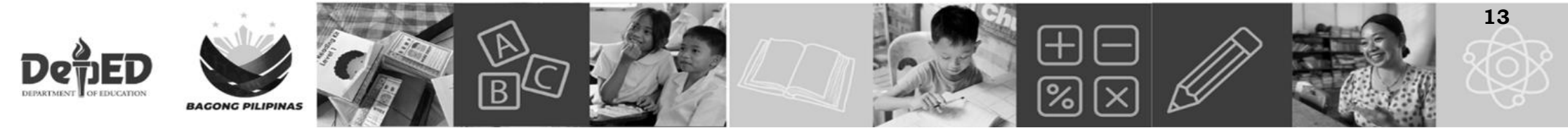
Give the value of the number corresponding to the given place value.	
17,382	
ten thousands	24)
thousands	25)
tens	26)
ones	27)
hundreds	28)
70,615	
thousands	29)
hundreds	30)
ones	31)
ten thousands	32)
tens	33)

8,190	
hundreds	34)
ones	35)
tens	36)
thousands	37)
25,971	
ten thousands	38)
thousands	39)
hundreds	40)
ones	41)
tens	42)
9,403	
tens	43)
hundreds	44)
thousands	45)
ones	46)

ARAL Math Grade 5 Worksheet 5 (Part 1)

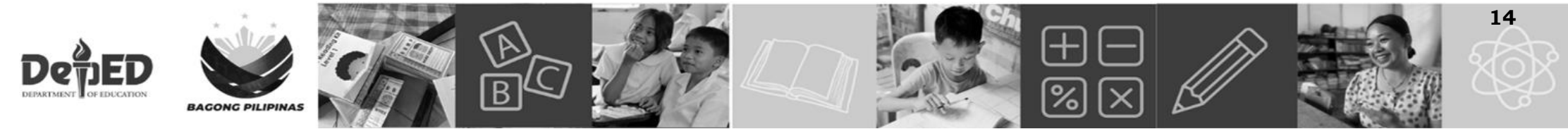
Give the value of the number corresponding to the given place value.

64,875 (ten thousands)	1)	8, 112 (hundreds)	15)
87,443 (hundreds)	2)	31,627 (ten thousands)	16)
100,000 (hundred thousands)	3)	54,614 (thousands)	17)
20,534 (ones)	4)	24,712 (ten thousands)	18)
83,021 (tens)	5)	1,237 (ones)	19)
21,108 (ten thousands)	6)	32,114 (tens)	20)
63,921 (hundreds)	7)	5,732 (hundreds)	21)
94,124 (thousands)	8)	64,421 (hundreds)	22)
5,912 (hundreds)	9)	89,365 (tens)	23)
15,773 (ones)	10)	45,188 (ten thousands)	24)
74,694 (ones)	11)		
28,455 (tens)	12)		
77,722 (ten thousands)	13)		
95,857 (hundreds)	14)		



ARAL Math Grade 5 Worksheet 5 (Part 2)

Give the value of the number corresponding to the given place value.			
25,714 (ten thousands)	25)	38,619 (ones)	38)
76,438 (hundreds)	26)	14,256 (tens)	39)
13,907 (thousands)	27)	84,372 (hundreds)	40)
92,315 (ones)	28)	62,905 (ten thousands)	41)
8,642 (tens)	29)	7,531 (thousands)	42)
43,120 (ten thousands)	30)	29,847 (ones)	43)
55,209 (hundreds)	31)	91,208 (hundreds)	44)
67,818 (hundreds)	32)	36,741 (tens)	45)
2,319 (ones)	33)	48,203 (hundreds)	46)
71,463 (tens)	34)	73,690 (ten thousands)	47)
96,580 (thousands)	35)	2,146 (ones)	48)
19,237 (ten thousands)	36)	85,509 (thousands)	49)
5,824 (hundreds)	37)	60,934 (hundreds)	50)



ARAL Math Grade 5 Worksheet 6 (Part 1)

Writing Numbers in Words and Vice Versa

Examples:
97,304 - Ninety-seven thousand, three hundred four.
100, 526 - One hundred thousand five hundred twenty-six.

When writing worded numbers in numerical form, use comma to separate the periods (groups of three digits) of the number – thousands from units, millions from thousands, billions from millions, and so on.

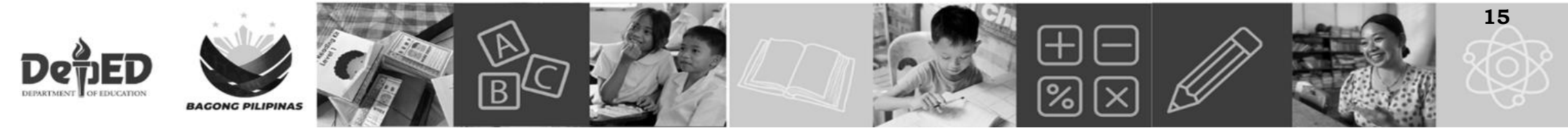
When writing numbers in words, follow these rules:

- Use hyphen to separate words ending with "y" from the next word.
  Example. twenty-one
  One hundred sixty-five

- Use "and" only when separating whole numbers from decimals. Don't use it to separate hundreds from tens.
  Correct: six hundred seventy-nine
  Incorrect: six hundred and seventy-nine

Write the following numerals in words.

1,357	1)
13,332	2)
23,017	3)
49,012	4)
67,887	5)
90,187	6)
11,320	7)
21,207	8)
42,894	9)
33,696	10)
43,444	11)
52,001	12)
88,022	13)
68,848	14)
87,226	15)



ARAL Math Grade 5 Worksheet 6 (Part 2)

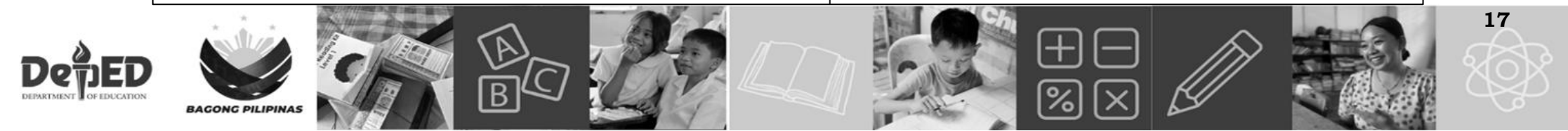
Write the following worded numbers in numerals.	
twelve thousand, six hundred seventy-one	16)
seventy-five thousand, six hundred eighty	17)
three thousand, ninety-two	18)
one hundred thousand	19)
thirteen thousand, seven hundred thirty-six	20)
fourteen thousand, two hundred forty-four	21)
six thousand, five hundred	22)
fifty-eight thousand, five hundred five	23)
fifty-two thousand, one hundred one	24)
fifteen thousand, three hundred nineteen	25)
seven hundred seventy-seven	26)
eighty thousand, eighty-eight	27)
nine thousand, nine hundred ninety	28)
one thousand, one hundred ten	29)
ninety-nine thousand, nine hundred nineteen	30)
three thousand, two hundred twelve	31)
thirteen thousand, thirteen	32)
five hundred twenty eight	33)
eighteen thousand, six hundred fifty-two	34)
fourteen thousand, seventeen	35)

ARAL Math Grade 5 Worksheet 7 (Part 1)

Compare Numbers Using Relation Symbols

Write each number in words or digits. Then, encircle the correct symbol (>, <, or =) to compare them.

1)	forty-two thousand, three hundred	____	< > =	42,300	11)	thirty-four thousand, seven hundred	____	< > =	35,000
2)		15,678	< > =	____	12)		10,010	< > =	____
				fifteen thousand, six hundred seventy-eight					ten thousand, nine
3)	seventy thousand, five	____	< > =	69,995	13)	seventy-eight thousand, nine	____	< > =	78,900
4)		8,204	< > =	____	14)		46,789	< > =	____
				eight thousand, two hundred forty					forty-six thousand, seven hundred ninety
5)	ninety-nine thousand, nine hundred	____	< > =	99,899	15)	ninety thousand, ninety	____	< > =	89,999
6)		23,450	< > =	____	16)		24,001	< > =	____
				twenty-three thousand, four hundred forty-nine					twenty-four thousand, one
7)	sixty thousand, sixty	____	< > =	60,600	17)	fifty-two thousand, five hundred	____	< > =	52,050
8)		17,999	< > =	____	18)		9,876	< > =	____
				seventeen thousand, nine hundred ninety-nine					nine thousand, eight hundred seventy-six
9)	five thousand, five	____	< > =	5,050	19)	one hundred thousand	____	< > =	99,999
10)		83,120	< > =	____	20)		31,235	< > =	____
				eighty-three thousand, one hundred twenty					thirty-one thousand, two hundred thirty-five



ARAL Math Grade 5 Worksheet 7 (Part 2)

Compare Numbers Using Relation Symbols

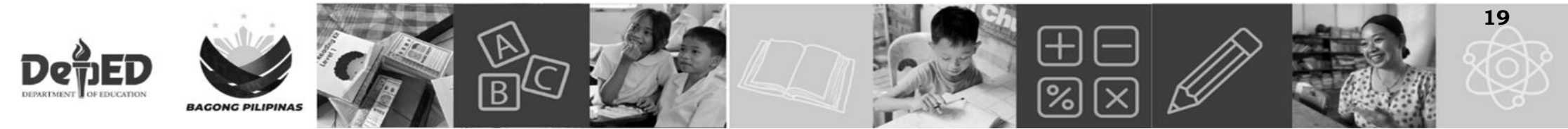
Write each number in words or digits. Then, encircle the correct symbol (>, <, or =) to compare them.

21)	forty-three thousand, five hundred ____	< > =	43,050	31)	sixty-two thousand, three hundred ____	< > =	62,730
22)	27,458	< > =	____ twenty-seven thousand, five hundred sixty-two	32)	seventy-five thousand, nine hundred ____	< > =	75,901
23)	ninety-one thousand, two hundred ____	< > =	91,200	33)	48,672	< > =	____ forty-nine thousand, six hundred seventy-two
24)	56,780	< > =	____ fifty-six thousand, nine hundred	34)	one hundred thousand ____	< > =	99,999
25)	thirty-three thousand, two hundred ____	< > =	33,250	35)	67,504	< > =	____ sixty-seven thousand, seven hundred ninety
26)	74,000	< > =	____ seventy-four thousand, eighty-nine	36)	52,317	< > =	____ fifty-two thousand, three hundred twenty six
27)	ninety-eight thousand, seven hundred twelve ____	< > =	98,712	37)	76,540	< > =	____ seventy-six thousand, six hundred forty-nine
28)	63,029	< > =	____ sixty-three thousand, four hundred thirty-two	38)	85,600	< > =	____ eighty-five thousand, six hundred
29)	49,875	< > =	50,000	39)	73,219	< > =	____ seventy-three thousand, three hundred twenty
30)	ten thousand, nine hundred fifty-six ____	< > =	10,956	40)	68,432	< > =	____ sixty-eight thousand, five hundred

ARAL Math Grade 5 Worksheet 8 (Part 1)

Round off each number to the indicated place value.		
	Place Value	**ANSWER**
86,854	thousands	1)
78,949	ten thousands	2)
34,987	thousands	3)
84,531	ten thousands	4)
35,724	thousands	5)
94,333	ten thousands	6)
94,637	ten thousands	7)
96,423	thousands	8)
34,706	ten thousands	9)
62,893	thousands	10)

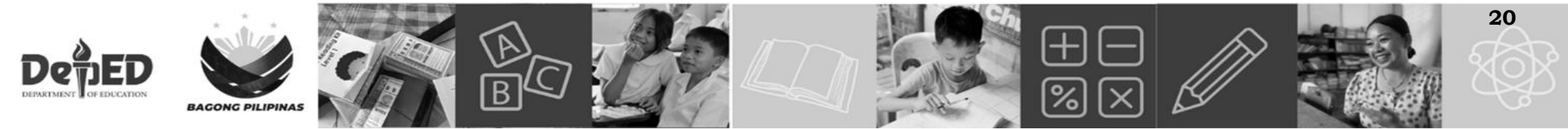
	Place Value	**ANSWER**
84,241	ten thousands	11)
98,569	thousands	12)
45,139	ten thousands	13)
48,557	ten thousands	14)
24,558	thousands	15)
46,476	thousands	16)
34,671	thousands	17)
40,194	ten thousands	18)
44,388	thousands	19)
98,433	ten thousands	20)
25,199	thousands	21)
2,999	thousands	22)
48,214	ten thousands	23)
82,262	ten thousands	24)
38,238	ten thousands	25)



ARAL Math Grade 5 Worksheet 8 (Part 2)

Round off each number to the indicated place value.		
	Place Value	**ANSWER**
67,842	thousands	26)
28,719	ten thousands	27)
43,586	thousands	28)
91,765	ten thousands	29)
36,294	thousands	30)
75,683	ten thousands	31)
19,457	thousands	32)
82,918	ten thousands	33)
29,134	thousands	34)
64,975	ten thousands	35)
88,230	thousands	36)
37,868	ten thousands	37)
66,511	thousands	38)

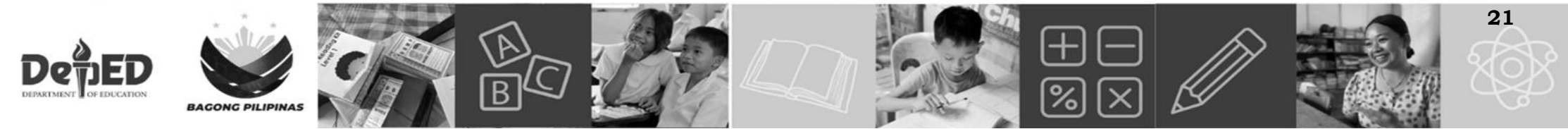
	Place Value	**ANSWER**
73,049	ten thousands	39)
24,365	thousands	40)
95,672	ten thousands	41)
41,286	thousands	42)
58,947	ten thousands	43)
33,418	thousands	44)
79,304	ten thousands	45)
21,657	thousands	46)
86,123	ten thousands	47)
14,892	thousands	48)
92,605	ten thousands	49)
27,531	thousands	50)



ARAL Math Grade 5 Worksheet 9 (Part 1)

Round off each number to the indicated place value.			
		Place Value	ANSWER
1)	37,684	thousands	1)
2)	65,429	ten thousands	2)
3)	82,915	thousands	3)
4)	14,237	ten thousands	4)
5)	96,358	thousands	5)
6)	28,471	ten thousands	6)
7)	59,863	thousands	7)
8)	73,146	ten thousands	8)
9)	41,902	thousands	9)
10)	68,257	ten thousands	10)

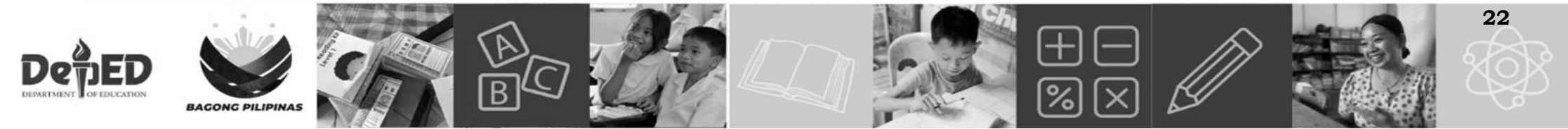
		Place Value	ANSWER
11)	23,516	thousands	11)
12)	87,329	ten thousands	12)
13)	31,647	thousands	13)
14)	92,874	ten thousands	14)
15)	16,938	thousands	15)
16)	74,261	ten thousands	16)
17)	48,599	thousands	17)
18)	69,713	ten thousands	18)
19)	25,381	thousands	19)
20)	83,645	ten thousands	20)
21)	61,472	thousands	21)
22)	15,762	ten thousands	22)
23)	93,108	thousands	23)
24)	36,849	ten thousands	24)
25)	77,235	thousands	25)



ARAL Math Grade 5 Worksheet 9 (Part 2)

Round off each number to the indicated place value.			
		Place Value	ANSWER
26)	52,347	thousands	26)
27)	18,265	ten thousands	27)
28)	83,914	thousands	28)
29)	27,638	ten thousands	29)
30)	61,759	thousands	30)
31)	74,216	ten thousands	31)
32)	33,892	thousands	32)
33)	91,163	ten thousands	33)
34)	24,578	thousands	34)
35)	46,892	ten thousands	35)

		Place Value	ANSWER
36)	68,453	thousands	36)
37)	37,129	ten thousands	37)
38)	95,087	thousands	38)
39)	15,683	ten thousands	39)
40)	73,946	thousands	40)
41)	22,845	ten thousands	41)
42)	84,297	thousands	42)
43)	39,615	ten thousands	43)
44)	58,734	thousands	44)
45)	67,481	ten thousands	45)
46)	29,356	thousands	46)
47)	93,628	ten thousands	47)
48)	42,179	thousands	48)
49)	16,987	ten thousands	49)
50)	78,254	thousands	50)



ARAL Math Grade 5 Worksheet 9 (Part 3)

Round off each number to the indicated place value.								
		Place Value	ANSWER			Place Value	ANSWER
51)	42,376	thousands	51)	64)	17,438	ten thousands	64)
52)	87,651	ten thousands	52)	65)	93,204	thousands	65)
53)	23,894	thousands	53)	66)	46,573	ten thousands	66)
54)	76,218	ten thousands	54)	67)	29,618	thousands	67)
55)	19,735	thousands	55)	68)	81,746	ten thousands	68)
56)	68,903	ten thousands	56)	69)	37,592	thousands	69)
57)	55,472	thousands	57)	70)	65,309	ten thousands	70)
58)	91,386	ten thousands	58)	71)	22,184	thousands	71)
59)	34,621	thousands	59)	72)	98,731	ten thousands	72)
60)	72,549	ten thousands	60)	73)	14,867	thousands	73)
61)	28,765	thousands	61)	74)	76,592	ten thousands	74)
62)	63,842	ten thousands	62)	75)	39,285	thousands	75)
63)	84,917	thousands	63)				

ARAL Math Grade 5 Worksheet 10 (Part 1)

Order Numbers in Increasing or Decreasing Order.

	Numbers	Order (Increasing)		Numbers	Order (Decreasing)
1)	45,267, 12,890, 78,345, 33,111, 9,876	_____	14)	77,888, 54,321, 12,678, 90,234, 23,456	_____
2)	63,452, 21,089, 76,234, 14,567, 58,901	_____	15)	30,018, 4,567, 69,890, 21,345, 81,276	_____
3)	9,234, 72,345, 56,789, 18,900, 31,246	_____	16)	85,430, 17,999, 42,160, 60,501, 7,250	_____
4)	84,321, 27,654, 39,876, 60,111, 15,432	_____	17)	3,210, 64,578, 38,900, 72,604, 19,871	_____
5)	47,890, 3,456, 92,321, 66,220, 19,008	_____	18)	26,700, 58,340, 7,890, 91,108, 45,620	_____
6)	72,468, 38,291, 14,375, 59,832, 7,609	_____	18)	68,120, 12,305, 39,456, 85,780, 5,678	_____
7)	28,136, 65,879, 11,234, 93,540, 49,002	_____	19)	13,015, 94,230, 50,400, 28,630, 6,789	_____
8)	50,777, 23,456, 81,900, 12,345, 67,210	_____	20)	41,111, 73,892, 2,345, 60,870, 19,234	_____
9)	99,001, 34,560, 5,678, 73,245, 16,432	_____	21)	8,765, 27,540, 63,012, 92,800, 44,130	_____
10)	44,210, 88,765, 24,809, 60,312, 2,997	_____	23)	57,160, 14,098, 80,302, 23,671, 4,509	_____
11)	15,678, 70,230, 32,456, 89,001, 6,543	_____	24)	95,432, 31,276, 9,876, 67,210, 20,543	_____
12)	61,234, 29,876, 83,150, 9,432, 51,009	_____	25)	16,203, 73,561, 35,420, 8,910, 62,700	_____
13)	7,890, 45,678, 26,543, 90,876, 18,234	_____	26)	49,999, 22,011, 77,770, 3,333, 88,888	_____

ARAL Math Grade 5 Worksheet 10 (Part 2)

Order Numbers in Increasing or Decreasing Order.

	Numbers	Order (Increasing)		Numbers	Order (Decreasing)
27)	36,741, 5,892, 87,213, 14,650, 63,409	_____	40)	66,789, 14,234, 91,672, 45,321, 2,109	_____
28)	73,564, 28,191, 9,876, 54,320, 41,265	_____	41)	78,456, 21,987, 63,210, 39,805, 16,432	_____
29)	12,987, 65,432, 31,509, 2,345, 88,210	_____	42)	52,640, 8,905, 74,321, 19,876, 3,450	_____
30)	91,876, 47,382, 16,245, 78,901, 3,210	_____	43)	87,654, 12,345, 60,978, 28,109, 7,890	_____
31)	22,134, 5,678, 83,451, 44,209, 19,876	_____	44)	93,215, 41,876, 25,634, 11,987, 3,210	_____
32)	60,321, 7,890, 39,456, 72,813, 25,694	_____	45)	70,432, 18,345, 55,671, 29,876, 6,543	_____
33)	17,308, 92,145, 11,986, 48,672, 36,519	_____	46)	61,203, 9,876, 48,765, 23,111, 4,890	_____
34)	84,729, 13,567, 55,820, 2,478, 67,310	_____	47)	85,321, 30,987, 12,654, 69,432, 8,765	_____
35)	29,654, 80,123, 9,234, 41,897, 66,542	_____	48)	74,890, 22,199, 51,360, 7,654, 14,298	_____
36)	4,567, 32,198, 75,460, 18,309, 59,812	_____	49)	99,123, 13,567, 65,432, 28,890, 5,678	_____
37)	61,908, 26,740, 8,321, 53,104, 14,679	_____	50)	43,210, 16,789, 9,012, 61,054, 2,345	_____
38)	92,001, 37,695, 15,870, 68,234, 7,456	_____	51)	89,432, 31,210, 55,876, 7,109, 12,456	_____
39)	10,345, 47,820, 23,167, 85,603, 3,218	_____	52)	77,210, 24,568, 48,903, 3,867, 19,001	_____

ARAL Math Grade 5 Worksheet 11 (Part 1)

Order Numbers in Increasing or Decreasing Order.

No.	Numbers	Order (Increasing)	No.	Numbers	Order (Decreasing)
1)	7,654, 23,110, 65,432, 12,208, 98,765	_____	14)	91,203, 42,567, 15,678, 73,999, 6,321	_____
2)	33,210, 15,678, 72,901, 4,567, 27,890	_____	15)	34,210 8,765, 62,300, 21,987, 11,456	_____
3)	5,432, 81,234, 16,789, 24,302, 9,876	_____	16)	88,120, 27,799, 60,234, 13,045, 7,890	_____
4)	60,501, 14,234, 39,800, 27,345, 7,678	_____	17)	2,345, 76,891, 40,300, 18,654, 9,210	_____
5)	45,610, 2,345, 91,230, 30,456, 11,789	_____	18)	58,432, 6,789, 93,100, 24,567, 33,890	_____
6)	25,678, 70,123, 8,910, 44,333, 17,654	_____	19)	16,980, 41,222, 73,450, 12,309, 5,678	_____
7)	13,579, 62,480, 9,321, 51,903, 22,710	_____	20)	64,753, 29,301, 11,045, 50,670, 3,210	_____
8)	86,100, 31,245, 15,899, 42,876, 6,544	_____	21)	7,899, 90,888, 25,410, 14,999, 6,654	_____
9)	77,709, 4,321, 68,540, 29,876, 12,345	_____	22)	52,109, 31,875, 2,456, 69,000, 17,650	_____
10)	18,765, 59,320, 23,456, 90,011, 7,899	_____	23)	44,321, 9,876, 70,555, 20,110, 1,234	_____
11)	22,477, 71,095, 3,468, 84,230, 16,052	_____	24)	96,010, 13,245, 8,679, 61,432, 27,890	_____
12)	50,901, 19,345, 63,654, 2,789, 30,210	_____	25)	38,421, 72,678, 4,999, 19,805, 53,210	_____
13)	8,234, 41,678, 26,135, 55,400, 13,912	_____	26)	66,777, 22,344, 85,910, 3,567, 47,123	_____

ARAL Math Grade 5 Worksheet 11 (Part 2)

Order Numbers in Increasing or Decreasing Order.

No.	Numbers	Order (Increasing)	No.	Numbers	Order (Decreasing)
27)	12,430, 54,210, 7,890, 33,456, 61,005	_____	40)	66,543, 23,890, 93,210, 4,567, 31,678	_____
28)	83,120, 26,789, 41,305, 15,990, 72,450	_____	41)	18,765, 75,432, 2,345, 61,980, 29,110	_____
29)	5,678, 92,345, 18,765, 60,321, 40,098	_____	42)	85,600, 13,457, 64,321, 7,890, 49,210	_____
30)	27,610, 8,945, 73,230, 16,870, 33,450	_____	43)	25,678, 91,234, 30,111, 6,789, 44,560	_____
31)	44,299, 19,764, 68,120, 2,345, 57,890	_____	44)	72,901, 19,876, 52,430, 8,765, 33,210	_____
32)	15,320, 7,654, 95,210, 31,870, 22,901	_____	45)	97,654, 42,321, 10,998, 68,765, 22,334	_____
33)	63,500, 11,245, 84,760, 29,310, 4,678	_____	46)	3,210, 58,432, 26,789, 90,123, 14,567	_____
34)	90,876, 36,543, 12,345, 70,111, 5,432	_____	47)	11,678, 70,900, 31,110, 56,432, 24,789	_____
35)	23,467, 76,890, 3,456, 51,230, 18,999	_____	48)	84,321, 17,999, 61,234, 29,876, 8,345	_____
36)	41,078, 28,345, 67,890, 9,123, 54,201	_____	49)	5,432, 47,890, 22,111, 99,001, 36,543	_____
37)	6,789, 88,654, 17,231, 39,876, 26,543	_____	50)	67,321, 12,456, 77,890, 28,765, 3,210	_____
38)	74,321, 14,678, 59,890, 21,340, 3,567	_____	51)	38,901, 15,678, 64,200, 2,987, 49,876	_____
39)	32,210, 10,987, 48,765, 75,001, 22,145	_____	52)	92,310, 24,567, 80,123, 6,789, 33,450	_____

ARAL Math Grade 5 Worksheet 12 (Part 1)

Multiply the following. Show your solutions.			
1) 79 x 45	3) 111 x 22	5) 687 x 2	7) 13 x 67
2) 123 x 20	4) 3 x 77	6) 974 x 32	8) 110 x 32

ARAL Math Grade 5 Worksheet 12 (Part 2)

9) 456 x 21	12) 999 x 11	15) 987 x 41	18) 581 x 99
10) 147 x 92	13) 999 x 55	16) 698 x 65	19) 229 x 12
11) 213 x 74	14) 325 x 32	17) 987 x 25	20) 412 x 96

ARAL Math Grade 5 Worksheet 12 (Part 3)

21) 339 x 36	24) 901 x 55	27) 406 x 46	30) 247 x 52
22) 769 x 41	25) 888 x 11	28) 800 x 64	31) 536 x 34
23) 668 x 78	26) 634 x 12	29) 422 x 50	32) 999 x 99

ARAL Math Grade 5 Worksheet 13 (Part 1)

Multiply the following. Show your solutions.	
1) 2 x 26	4) 882 x 23
2) 34 x 14	5) 134 x 11
3) 234 x 45	6) 204 x 13

7) 8 x 32	10) 422 x 24
8) 436 x 16	11) 324 x 19
9) 251 x 64	12) 218 x 76

ARAL Math Grade 5 Worksheet 13 (Part 2)

13) 198 x 31	15) 199 x 12	**Solve the following problems.**	
		Angelo and nine of his friends rode the UP IKOT jeepney to go to their classes. How much would they pay the driver altogether if the student fare was seven pesos per head?	17)
		Malacañang of the North used to be the official residence of Ferdinand Marcos in Ilocos Norte when he was still President. It is now a museum which has an entrance fee of 20 pesos per head. If a group of 17 people wants to visit, how much will the group pay?	18)
		Betty is now 28 years old. Her grandmother's age is thrice her age. How old is her grandmother now?	19)
		The military sent 999 soldiers and equipped each one with 99 bullets. How many bullets should the military send in all?	20)
14) 189 x 42	16) 315 x 36	A shrine has 85 gardeners making the shrine clean and green. If each gardener gets a daily salary of P950, how much is the total cost of cleaning the shrine for a day?	21)
		In San Jose Church in Ivana Batanes, each person donates 15 pesos every mass. If there are 912 people who attend mass in a week, how much is the total collection?	22)
		From the previous question, how much is the total collection for a year?	23)
		The San Pablo Church in San Pablo, Isabela features the tallest bell tower in the Cagayan Valley. If 32 people, each having the same height of 6 feet, stand on each other and they match the height of the bell tower, how high is the tower in feet?	24)
		In St. Hyacinth Church in Tuguegarao, Cagayan, each person donates 6 pesos every mass. If there are 926 persons who attend mass every week, how much donation will the church receive in a year?	25)

ARAL Math Grade 5 Worksheet 14 (Part 1)

ESTIMATING PRODUCTS

Estimating products can be done by rounding off the factors to their highest place values before multiplying. Take note that there is no need to round off one-digit factors.

Ex. Estimate the products:

1. $26 \times 7 \approx 30 \times 7 = 210$
2. $233 \times 361 \approx 200 \times 400 = 80{,}000$
3. $6{,}837 \times 48 \approx 7{,}000 \times 50 = 350{,}000$

* When multiplying more than two factors, round off them all first to the highest place value before multiplying.

Ex. $28 \times 19 \times 32 \approx 30 \times 20 \times 30 = 18{,}000$

Estimate the products of the following. Show your solution.

240 x 63	1)
1,424 x 89	2)
4,386 x 73	3)
9,307 x 308	4)
5,138 x 49	5)
7,246 x 245	6)
5,015 x 527	7)
3,615 x 413	8)
966 x 876	9)
5,220 x 642	10)
735 x 968	11)
6,531 x 127	12)
2,271 x 282	13)
8,284 x 451	14)
9,978 x 646	15)
5,475 x 708	16)
3,833 x 95	17)
1,976 x 965	18)
983 x 61	19)
5,419 x 638	20)

ARAL Math Grade 5 Worksheet 14 (Part 2)

3,357 x 28	21)	368 x 230	34)
768 x 115	22)	1,589 x 137	35)
4,321 x 890	23)	7,258 x 603	36)
446 x 325	24)	1,393 x 656	37)
5,924 x 45	25)	6,973 x 52	38)
1,010 x 333	26)	9,365 x 257	39)
7,456 x 422	27)	3,359 x 369	40)
8,326 x 438	28)	8,112 x 578	41)
4,295 x 368	29)	5,372 x 974	42)
1,661 x 22	30)	4,222 x 16	43)
6, 320 x 34	31)	3,355 x 234	44)
3,276 x 52	32)	8,124 x 576	45)
6,439 x 838	33)	2,435 x 776	46)

ARAL Math Grade 5 Worksheet 15 (Part 1)

Estimate the products of the following. Show your solution.

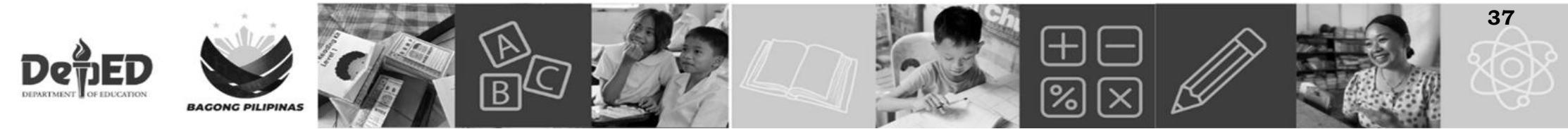
126 x 873	1)	6,258 x 10	14)
639 x 13	2)	570 x 912	15)
5,245 x 932	3)	4,457 x 240	16)
2,456 x 567	4)	735 x 128	17)
3,658 x 987	5)	9,346 x 47	18)
6,234 x 75	6)	3,222 x 705	19)
897 x 43	7)	8,257 x 67	20)
6,234 x 557	8)	2,046 x 124	21)
7,789 x 240	9)	7,005 x 900	22)
8,438 x 768	10)	8,246 x 257	23)
4,435 x 12	11)	1,540 x 239	24)
6,436 x 561	12)	1,366 x 99	25)
6,034 x 22	13)	6,280 x 235	26)

ARAL Math Grade 5 Worksheet 15 (Part 2)

Solve the following problems. Estimate your answers.	
Matthew sold 124 pencils each day for 21 days. About how many pencils did he sell in all?	27)
Records show that more and more persons get afflicted with respiratory infections because of pollution. If 274 persons are diagnosed to have respiratory infections everyday, how many get infected in 25 days? Estimate your answer.	28)
1,776 people attended the local carnival per week. Around how many people attended the carnival in 32 weeks?	29)
Mrs. Garcia bought 326 packets of stickers. Each sticker packet had 32 stickers. What was the best estimate of the number of stickers Mrs. Garcia bought?	30)
Shawn sold 23 candy bars each day for 116 days. What was the best estimate of the number of candy bars he sold during this time?	31)
A farmer sold 2,010 sacks of mangoes. Each sack had 79 pieces of mangoes inside. What is the best estimate of the number of mangoes sold by the farmer?	32)
Estimate which is cheaper: to buy 5 boxes of juice that cost 48 pesos per box or 12 bottles of softdrinks that cost 23 pesos per bottle.	33)
Pedro buys 23 bags of jolens. Each bag contains 102 jolens. Around how many jolens does Pedro have in all?	34)
The parish priest asks you to decorate the church with flowers for an upcoming wedding. If you will make 135 flower arrangements and each arrangement has 26 flowers, around how many flowers will you need to buy?	35)
Janice bought 250 pieces of crayons. If each crayon is priced at P16, how much did Janice pay?	36)

ARAL Math Grade 5 Worksheet 16 (Part 1)

Multiply mentally. Write the answer and explain the strategy used.	
1) 7 x 6 = _____ Strategy used: _____	6) 14 x 3 = _____ Strategy used: _____
2) 3 x 8 = _____ Strategy used: _____	7) 23 x 2 = _____ Strategy used: _____
3) 5 x 12 = _____ Strategy used: _____	8) 14 x 11 = _____ Strategy used: _____
4) 10 x 4 = _____ Strategy used: _____	9) 22 x 9 = _____ Strategy used: _____
5) 12 x 6 = _____ Strategy used: _____	10) 13 x 12 = _____ Strategy used: _____

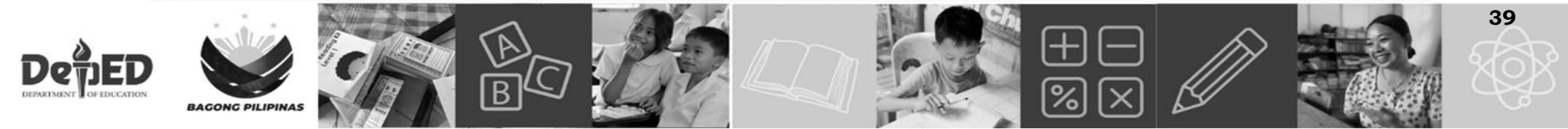


ARAL Math Grade 5 Worksheet 16 (Part 2)

11) $18 \times 7 =$ _____ Strategy used: _____ _____	16) $26 \times 4 =$ _____ Strategy used: _____ _____
12) $24 \times 6 =$ _____ Strategy used: _____ _____	17) $19 \times 8 =$ _____ Strategy used: _____ _____
13) $15 \times 12 =$ _____ Strategy used: _____ _____	18) $21 \times 7 =$ _____ Strategy used: _____ _____
14) $22 \times 5 =$ _____ Strategy used: _____ _____	19) $13 \times 11 =$ _____ Strategy used: _____ _____
15) $17 \times 9 =$ _____ Strategy used: _____ _____	20) $16 \times 10 =$ _____ Strategy used: _____ _____

ARAL Math Grade 5 Worksheet 16 (Part 3)

21) 18 x 5 = _____ Strategy used: _____ _____	26) 16 x 9 = _____ Strategy used: _____ _____
22) 24 x 4 = _____ Strategy used: _____ _____	27) 15 x 7 = _____ Strategy used: _____ _____
23) 12 x 9 = _____ Strategy used: _____ _____	28) 17 x 5 = _____ Strategy used: _____ _____
24) 14 x 6 = _____ Strategy used: _____ _____	29) 13 x 8 = _____ Strategy used: _____ _____
25) 20 x 7 = _____ Strategy used: _____ _____	30) 11 x 12 = _____ Strategy used: _____ _____



ARAL Math Grade 5 Worksheet 17 (Part 1)

Multiply mentally. Write the answer and explain the strategy used.

1. 64 x 3 = _____

Strategy used: _____

_____

2. 13 x 2 = _____

Strategy used: _____

_____

3. 21 x 7 = _____

Strategy used: _____

_____

4. 12 x 8 = _____

Strategy used: _____

_____

5. 15 x 4 = _____

Strategy used: _____

_____

6. 23 x 5 = _____

Strategy used: _____

_____

7. 13 x 10 = _____

Strategy used: _____

_____

8. 11 x 9 = _____

Strategy used: _____

_____

9. 10 x 12 = _____

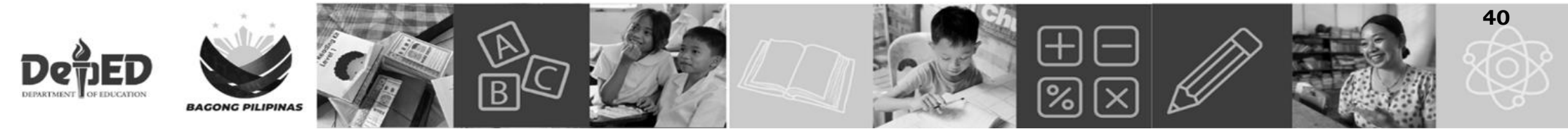
Strategy used: _____

_____

10. 25 x 3 = _____

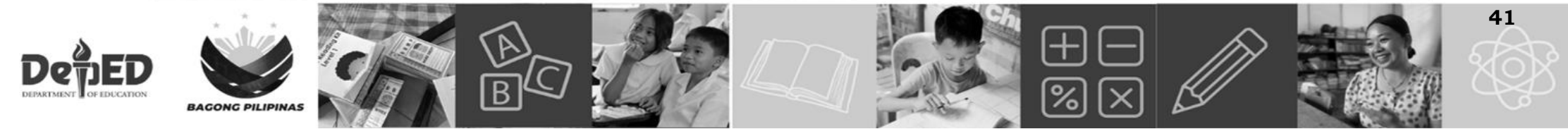
Strategy used: _____

_____



ARAL Math Grade 5 Worksheet 17 (Part 2)

11. 15 x 12 = _____ Strategy used: _____ _____	16. 18 x 2 = _____ Strategy used: _____ _____
12. 13 x 11 = _____ Strategy used: _____ _____	17. 27 x 3 = _____ Strategy used: _____ _____
13. 14 x 13 = _____ Strategy used: _____ _____	18. 16 x 5 = _____ Strategy used: _____ _____
14. 12 x 14 = _____ Strategy used: _____ _____	19. 24 x 2 = _____ Strategy used: _____ _____
15. 22 x 9 = _____ Strategy used: _____ _____	20. 19 x 3 = _____ Strategy used: _____ _____



ARAL Math Grade 5 Worksheet 18 (Part 1)

Divide the following.
Show your solutions.

1) 554 ÷ 2

2) 1,111 ÷ 11

3) 252 ÷ 4

4) 2,838 ÷ 55

5) 3,523 ÷ 26

6) 5,890 ÷ 95

7) 3,794 ÷ 14

8) 8,410 ÷ 22

ARAL Math Grade 5 Worksheet 18 (Part 2)

9) 8,120 ÷ 54	11) 6,500 ÷ 25	13) 236 ÷ 59	15) 4,164 ÷ 87
10) 7,960 ÷ 60	12) 8,460 ÷ 56	14) 9,234 ÷ 38	16) 2,287 ÷ 60

ARAL Math Grade 5 Worksheet 19 (Part 1)

Divide the following.
Show your solutions.

1) 350 ÷ 25

2) 1,456 ÷ 56

3) 288 ÷ 9

4) 2,732 ÷ 42

5) 562 ÷ 10

6) 8,268 ÷ 81

7) 786 ÷ 12

8) 4,293 ÷ 33

ARAL Math Grade 5 Worksheet 19 (Part 2)

9) 9,268 ÷ 68	11) 2,348 ÷ 68	13) 1,290 ÷ 32	15) 3,168 ÷ 44
10) 9,003 ÷ 30	12) 9,244 ÷ 99	14) 354 ÷ 6	16) 5,084 ÷ 82

ARAL Math Grade 5 Worksheet 20 (Part 1)

DIVIDING MENTALLY BY TENS, HUNDREDS, OR THOUSANDS

To divide numbers mentally 2 to 4-digit numbers by 10, 100, or 1 000 without remainder, you have to do the following:

a. Cancel the same number of zeros both in the dividend and the divisor.
b. Divide the remaining numbers.

Examples:

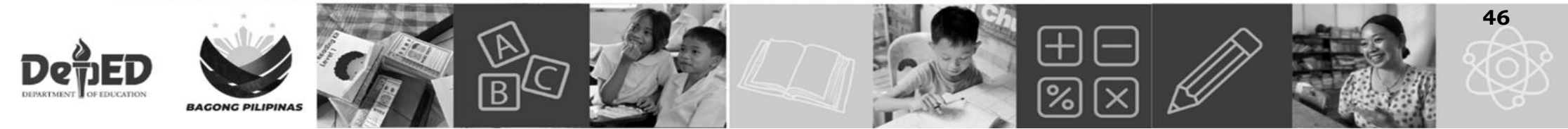
1. 45 ÷ 10 = 4 R 5
2. 386 ÷ 100 = 3 R 86
3. 4,527 ÷ 1 000 = 4 R 527

In dividing 2 to 4- digit numbers by 10 with remainder, the last digit in the dividend is the remainder while the remaining digits represent the quotient.

In dividing 2 to 4- digit numbers by 100 with remainder, the last two digits in the dividend is the remainder while the remaining digits represent the quotient.

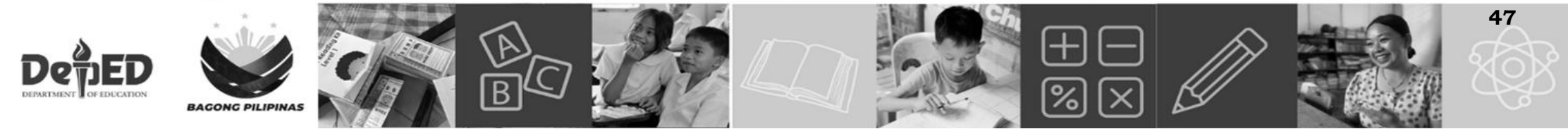
Solve the following. Show your solution.	
1. 47 ÷ 10	
2. 356 ÷ 10	
3. 842 ÷ 10	
4. 3,729 ÷ 10	
5. 645 ÷ 100	
6. 2,431 ÷ 100	
7. 7,058 ÷ 100	
8. 8,410 ÷ 100	
9. 6,789 ÷ 1 000	
10. 9,305 ÷ 1 000	

11. 83 ÷ 10	
12. 508 ÷ 10	
13. 7,296 ÷ 10	
14. 1,652 ÷ 100	
15. 5,734 ÷ 100	
16. 9,876 ÷ 100	
17. 4,528 ÷ 1 000	
18. 6,931 ÷ 1 000	
19. 2,145 ÷ 10	
20. 4,378 ÷ 100	



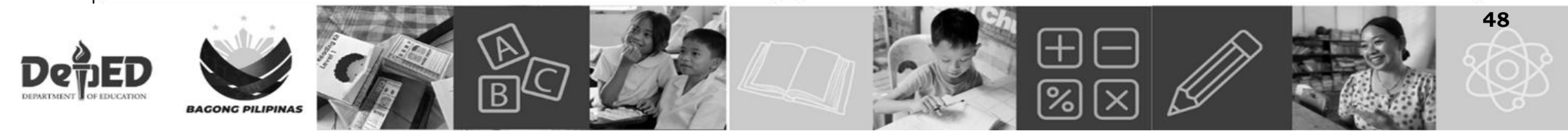
ARAL Math Grade 5 Worksheet 20 (Part 2)

3,248 ÷ 10	21)	419 ÷ 10	34)
87 ÷ 10	22)	5,233 ÷ 100	35)
6,540 ÷ 100	23)	2,807 ÷ 1 000	36)
742 ÷ 100	24)	73 ÷ 10	37)
9,163 ÷ 10	25)	6,946 ÷ 100	38)
58 ÷ 10	26)	8,753 ÷ 10	39)
4,389 ÷ 1 000	27)	362 ÷ 100	40)
635 ÷ 100	28)	1,502 ÷ 10	41)
2,916 ÷ 10	29)	7,634 ÷ 1 000	42)
7,805 ÷ 100	30)	45 ÷ 10	43)
3,478 ÷ 1 000	31)	4,271 ÷ 100	44)
96 ÷ 10	32)	5,019 ÷ 1 000	45)
8,120 ÷ 100	33)	312 ÷ 10	46)



ARAL Math Grade 5 Worksheet 21 (Part 1)

64 ÷ 10	1)	92 ÷ 10	14)
583 ÷ 100	2)	5,686 ÷ 100	15)
2,417 ÷ 10	3)	276 ÷ 10	16)
7,300 ÷ 100	4)	8,503 ÷ 1 000	17)
89 ÷ 10	5)	608 ÷ 100	18)
1,608 ÷ 100	6)	4,715 ÷ 10	19)
4,251 ÷ 1 000	7)	1,100 ÷ 100	20)
35 ÷ 10	8)	7,842 ÷ 1 000	21)
782 ÷ 100	9)	53 ÷ 10	22)
3,964 ÷ 1 000	10)	3,369 ÷ 100	23)
147 ÷ 10	11)	990 ÷ 10	24)
6,470 ÷ 100	12)	6,024 ÷ 100	25)
2,039 ÷ 1 000	13)	2,867 ÷ 1 000	26)



ARAL Math Grade 5 Worksheet 21 (Part 2)

87 ÷ 10	27)	2,584 ÷ 10	39)
2,935 ÷ 100	28)	8,742 ÷ 1 000	40)
4,607 ÷ 1 000	29)	329 ÷ 10	41)
153 ÷ 10	30)	4,896 ÷ 100	42)
6,843 ÷ 100	31)	6,072 ÷ 1 000	43)
9,264 ÷ 1 000	32)	128 ÷ 10	44)
46 ÷ 10	33)	3,845 ÷ 100	45)
1,472 ÷ 100	34)	9,851 ÷ 1 000	46)
3,719 ÷ 10	35)	61 ÷ 10	47)
5,368 ÷ 1 000	36)	7,963 ÷ 100	48)
94 ÷ 10	37)	2,765 ÷ 1 000	49)
7,126 ÷ 100	38)	483 ÷ 10	50)

ARAL Math Grade 5 Worksheet 21 (Part 3)

4,821 ÷ 10	51)	5,943 ÷ 100	61)
6,423 ÷ 100	52)	2,437 ÷ 1 000	62)
7,914 ÷ 1 000	53)	84 ÷ 10	63)
135 ÷ 10	54)	4,672 ÷ 100	64)
8,760 ÷ 100	55)	7,561 ÷ 1 000	65)
3,254 ÷ 1 000	56)	216 ÷ 10	66)
72 ÷ 10	57)	3,817 ÷ 100	67)
6,985 ÷ 100	58)	9,402 ÷ 1 000	68)
1,265 ÷ 1 000	59)	58 ÷ 10	69)
9,308 ÷ 10	60)	6,239 ÷ 100	70)

ARAL Math Grade 5 Worksheet 22 (Part 1)

ESTIMATING QUOTIENTS

Example: Estimate the quotient of 637 and 8.

Step 1: Find compatible numbers. These are numbers that are close in value to the actual numbers and can be divided mentally.

In this case, the number closest to 637 that can be divided by 8 is 640.

$637 \div 8 \approx 640 \div 8$

Step 2: Find the quotient.

$640 \div 8 = 80$

So, $637 \div 8$ is around 80.

See the following examples:

	Compatible Numbers	Estimated Quotient
$387 \div 4$	$400 \div 4$	100
$378 \div 9$	$360 \div 9$	40
$739 \div 9$	$720 \div 9$	80
$632 \div 57$	$600 \div 60$	10
$3,276 \div 3$	$3,000 \div 3$	1,000
$879 \div 91$	$900 \div 90$	10
$12,280 \div 655$	$12,000 \div 600$	20

For one-digit divisors, the technique is to look at the leftmost digit of the dividend and see if it is enough or it is close to a number that can be divided by the divisor. If not, include the next digit. For two-digit divisors, round off the divisor first to the highest place value before looking for a compatible dividend.

Choose the compatible numbers that will give the closest estimate. Encircle the letter of your answer then give the estimated quotient.

				Estimated Quotient
$876 \div 3 =$	a. $800 \div 3$	b. $600 \div 3$	c. $900 \div 3$	1)
$434 \div 7 =$	a. $400 \div 7$	b. $420 \div 7$	c. $490 \div 7$	2)
$161 \div 3 =$	a. $150 \div 3$	b. $180 \div 3$	c. $210 \div 3$	3)
$296 \div 5 =$	a. $250 \div 5$	b. $350 \div 5$	c. $300 \div 5$	4)
$901 \div 7 =$	a. $630 \div 7$	b. $1,400 \div 7$	c. $700 \div 7$	5)
$843 \div 9 =$	a. $900 \div 9$	b. $720 \div 9$	c. $810 \div 9$	6)
$894 \div 5 =$	a. $500 \div 5$	b. $1,000 \div 5$	c. $100 \div 5$	7)
$1,490 \div 5 =$	a. $2,000 \div 5$	b. $1,500 \div 5$	c. $1,400 \div 5$	8)
$1,728 \div 32 =$	a. $1,500 \div 30$	b. $2,000 \div 30$	c. $1,800 \div 30$	9)
$6,272 \div 28 =$	a. $6,000 \div 30$	b. $6,000 \div 20$	c. $9,000 \div 30$	10)
$6,919 \div 7 =$	a. $6,300 \div 7$	b. $5,600 \div 7$	c. $7,000 \div 7$	11)
$7,819 \div 4 =$	a. $8,000 \div 4$	b. $6,000 \div 4$	c. $10,000 \div 4$	12)
$1,299 \div 12 =$	a. $1,200 \div 10$	b. $1,200 \div 12$	c. $1,440 \div 12$	13)
$795 \div 84 =$	a. $800 \div 80$	b. $700 \div 80$	c. $400 \div 80$	14)
$819 \div 94 =$	a. $900 \div 90$	b. $810 \div 90$	c. $800 \div 8$	15)

ARAL Math Grade 5 Worksheet 22 (Part 2)

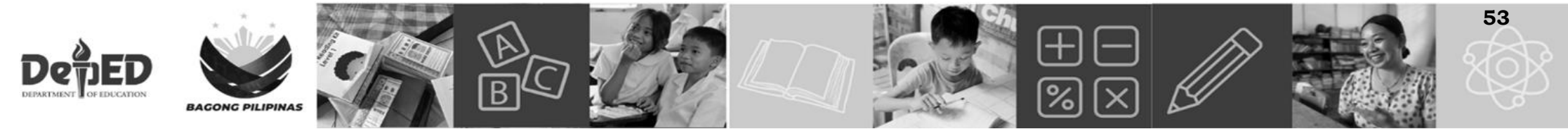
Encircle the letter of the best estimate.					**Give an estimated quotient for the following.**	
16)	895 ÷ 8	a. 200	b. 100	c. 300	261 ÷ 5	31)
17)	336 ÷ 7	a. 50	b. 60	c. 70	168 ÷ 9	32)
18)	324 ÷ 4	a. 100	b. 10	c. 80	2,985 ÷ 6	33)
19)	816 ÷ 6	a. 100	b. 50	c. 10	436 ÷ 4	34)
20)	521 ÷ 3	a. 300	b. 200	c. 100	296 ÷ 4	35)
21)	777 ÷ 8	a. 50	b. 100	c. 200	723 ÷ 6	36)
22)	4,821 ÷ 5	a. 100	b. 500	c. 1,000	417 ÷2	37)
23)	5,895 ÷ 4	a. 1,000	b. 2,000	c. 3,000	331 ÷ 7	38)
24)	6,335 ÷ 51	a. 200	b. 100	c. 150	888 ÷ 3	39)
25)	9,339 ÷ 81	a. 10	b. 1,000	c. 100	4,047 ÷ 2	40)
26)	1,344 ÷ 26	a. 50	b. 500	c. 5,000	2,452 ÷ 8	41)
27)	6,290 ÷ 68	a. 90	b. 950	c. 900	1,311 ÷ 7	42)
28)	9,812 ÷ 998	a. 100	b. 10	c. 1,000	9,344 ÷ 9	43)
29)	5,679 ÷ 529	a. 100	b. 10	c. 1,000	1,597 ÷ 83	44)
30)	2,598 ÷ 25	a. 500	b. 1,000	c. 100	1,197 ÷ 42	45)

ARAL Math Grade 5 Worksheet 23 (Part 1)

Choose the compatible numbers that will give the closest estimate. Encircle the letter of your answer then give the estimated quotient.

				Estimated Quotient
742 ÷ 4 =	a. 600 ÷ 4	b. 700 ÷ 4	c. 800 ÷ 4	1)
918 ÷ 3 =	a. 800 ÷ 3	b. 900 ÷ 3	c. 1,000 ÷ 3	2)
1,253 ÷ 6 =	a. 1,100 ÷ 6	b. 1,200 ÷ 6	c. 1,300 ÷ 6	3)
388 ÷ 5 =	a. 200 ÷ 5	b. 400 ÷ 5	c. 500 ÷ 5	4)
1,675 ÷ 8 =	a. 1,600 ÷ 8	b. 1,700 ÷ 8	c. 1,800 ÷ 8	5)
2,842 ÷ 7 =	a. 2,800 ÷ 7	b. 2,900 ÷ 7	c. 3,000 ÷ 7	6)
639 ÷ 2 =	a. 600 ÷ 2	b. 700 ÷ 2	c. 800 ÷ 2	7)
3,467 ÷ 9 =	a. 3,400 ÷ 9	b. 3,500 ÷ 9	c. 3,600 ÷ 9	8)
4,923 ÷ 6 =	a. 4,900 ÷ 6	b. 5,000 ÷ 6	c. 5,100 ÷ 6	9)
7,108 ÷ 5 =	a. 7,000 ÷ 5	b. 7,100 ÷ 5	c. 7,200 ÷ 5	10)
1,586 ÷ 4 =	a. 1,500 ÷ 4	b. 1,600 ÷ 4	c. 1,700 ÷ 4	11)
2,394 ÷ 3 =	a. 2,300 ÷ 3	b. 2,400 ÷ 3	c. 2,500 ÷ 3	12)
8,276 ÷ 9 =	a. 8,200 ÷ 9	b. 8,300 ÷ 9	c. 8,400 ÷ 9	13)
974 ÷ 6 =	a. 900 ÷ 6	b. 1,000 ÷ 6	c. 1,100 ÷ 6	14)
5,637 ÷ 7 =	a. 5,600 ÷ 7	b. 5,700 ÷ 7	c. 5,800 ÷ 7	15)

				Estimated Quotient
1,458 ÷ 7 =	a. 1,400 ÷ 7	b. 1,500 ÷ 7	c. 1,600 ÷ 7	16)
6,384 ÷ 8 =	a. 6,200 ÷ 8	b. 6,300 ÷ 8	c. 6,400 ÷ 8	17)
2,715 ÷ 5 =	a. 2,700 ÷ 5	b. 2,800 ÷ 5	c. 2,600 ÷ 5	18)
783 ÷ 3 =	a. 700 ÷ 3	b. 800 ÷ 3	c. 900 ÷ 3	19)
4,166 ÷ 6 =	a. 4,100 ÷ 6	b. 4,200 ÷ 6	c. 4,300 ÷ 6	20)
919 ÷ 4 =	a. 800 ÷ 4	b. 900 ÷ 4	c. 1,000 ÷ 4	21)
3,532 ÷ 7 =	a. 3,500 ÷ 7	b. 3,600 ÷ 7	c. 3,400 ÷ 7	22)
5,863 ÷ 9 =	a. 5,800 ÷ 9	b. 5,900 ÷ 9	c. 6,000 ÷ 9	23)
1,074 ÷ 2 =	a. 1,000 ÷ 2	b. 1,100 ÷ 2	c. 1,200 ÷ 2	24)
8,391 ÷ 6 =	a. 8,300 ÷ 6	b. 8,400 ÷ 6	c. 8,500 ÷ 6	25)
2,205 ÷ 3 =	a. 2,100 ÷ 3	b. 2,200 ÷ 3	c. 2,300 ÷ 3	26)
7,642 ÷ 7 =	a. 7,600 ÷ 7	b. 7,700 ÷ 7	c. 7,800 ÷ 7	27)
638 ÷ 5 =	a. 600 ÷ 5	b. 700 ÷ 5	c. 800 ÷ 5	28)
4,807 ÷ 8 =	a. 4,700 ÷ 8	b. 4,800 ÷ 8	c. 4,900 ÷ 8	29)
3,149 ÷ 4 =	a. 3,100 ÷ 4	b. 3,200 ÷ 4	c. 3,300 ÷ 4	30)
5,075 ÷ 5 =	a. 5,000 ÷ 5	b. 5,100 ÷ 5	c. 5,200 ÷ 5	31)
1,834 ÷ 9 =	a. 1,800 ÷ 9	b. 1,900 ÷ 9	c. 2,000 ÷ 9	32)
7,968 ÷ 6 =	a. 7,900 ÷ 6	b. 8,000 ÷ 6	c. 8,100 ÷ 6	33)
952 ÷ 8 =	a. 900 ÷ 8	b. 1,000 ÷ 8	c. 1,100 ÷ 8	34)
6,517 ÷ 7 =	a. 6,400 ÷ 7	b. 6,500 ÷ 7	c. 6,600 ÷ 7	35)



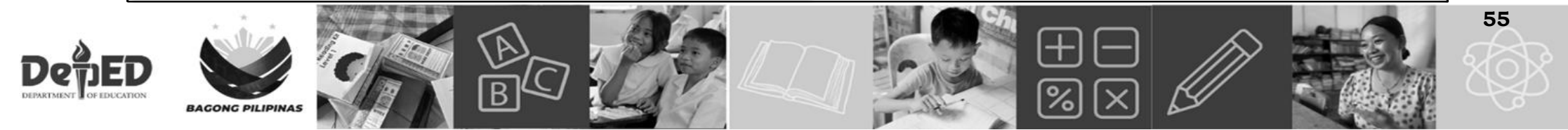
ARAL Math Grade 5 Worksheet 23 (Part 2)

Give an estimated quotient for the following.		
1,402 ÷ 6	36)	
576 ÷ 4	37)	
3,853 ÷ 7	38)	
2,735 ÷ 5	39)	
7,632 ÷ 8	40)	
5,947 ÷ 3	41)	
9,210 ÷ 6	42)	
1,764 ÷ 2	43)	
4,838 ÷ 7	44)	
6,713 ÷ 9	45)	
8,963 ÷ 11	46)	
2,649 ÷ 4	47)	
5,354 ÷ 8	48)	
4,071 ÷ 3	49)	
918 ÷ 6	50)	

ARAL Math Grade 5 Worksheet 24 (Part 1)

Solve the following problems.

Kate, Elaine, Via and Ronna are best friends. They decided to take a taxi to go to their destination and divide the fare among them. If the fare meter reads three hundred sixty-four pesos, how much should each of them pay?	1)
Mang Totoy is a tricycle driver. He needs to earn 2,400 pesos. If he earns 200 pesos an hour, for how many hours does he need to work?	2)
A school collected 1,680 pesos for a field trip. The money will be shared equally among 24 students for transportation. How much money will each student receive?	3)
A bookstore earned 3,240 pesos from selling notebooks in one day. The money was divided equally among 18 sales staff as an incentive. How much money did each staff member receive?	4)
Mandy needs to visit a doctor and decides to take a taxi. If she only has twenty-peso bills, how many twenty-peso bills should she pay if the meter reads three hundred pesos?	5)
Kristen rode the tricycle to go to Ateneo from the Mini Stop store. If she only had five-peso coins, how many five-peso coins should she pay if the fare was 35 pesos?	6)
If the Paoay church can seat 33 people per pew or row, how many pews will be filled up if 4,290 people will attend a mass?	7)
Enrique and Malena will divide their shared allowance of 9,634 pesos among themselves. How much will each of them get?	8)



ARAL Math Grade 5 Worksheet 24 (Part 2)

Solve the following problems.			
A family paid 3,276 pesos for their electricity bill. If the amount is divided equally among 12 members of the family, how much should each member pay?	9)	A teacher bought 2,880 pesos worth of school supplies. She wants to give the same amount of money to 24 pupils for their projects. How much will each pupil receive?	13)
A shop has 4,800 pesos in sales for one day. If the amount is shared equally among 16 staff members, how much will each staff receive?	10)	A printing company printed 8,064 flyers. If the flyers are packed equally in 21 boxes, how many flyers are in each box?	14)
A bus company collected 7,980 pesos from its trips. If the money is divided equally among 15 drivers, how much money will each driver get?	11)	The barangay collected 5,670 pesos for a community event. If the money is shared equally among 27 volunteers, how much will each volunteer receive?	15)
A farmer harvested 2,772 kilograms of rice. If he packs it equally in 18 sacks, how many kilograms of rice will be in each sack?	12)	A store earned 6,960 pesos in one week. If the amount is divided equally among 20 employees as a bonus, how much bonus will each employee get?	16)

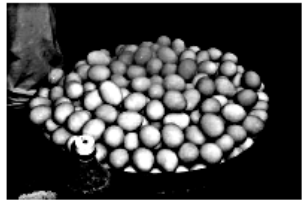
ARAL Math Grade 5 Worksheet 25 (Part 1)

Estimate your answers to the following word problems.

A recipe for sinigang needs 7 kilograms of pork. About how many times can the following make sinigang this season?

Mama Sita who has 585 kilograms of pork	1)
Mang Tomas who has 478 kilograms of pork	2)
Aling Lydia who has 6,226 kilograms of pork	3)
Aling Rufina who has 1,388 kilograms of pork	4)

The balut vendor wants to arrange his 419 baluts in baskets.



About how many baluts will he place in each basket if he uses 5 baskets?	5)
About how many baluts will he place in each basket if he uses 6 baskets?	6)
About how many baluts will he place in each basket if he uses 7 baskets?	7)
About how many baluts will he place in each basket if he uses 19 baskets?	8)

ARAL Math Grade 5 Worksheet 25 (Part 2)

At a restaurant called Isdaan in Tarlac, one table can seat 8 guests. Around how many tables will be occupied by 314 guests?	9)	Mother bought 985 pieces of strawberries from Baguio. If she used 49 strawberries in every bottle of strawberry jam, how many bottles could she make?	15)
A stack of domino can hold as many as 18 dominos placed on top of each other. About how many stacks can you form out of 375 dominos?	10)	In arranging the shoes at your shop's storage room, you notice that you can put a total of 9 shoe boxes per stack. About how many stacks will you make if you have 376 boxes of shoes to arrange?	16)
A boat going to the Boracay island can hold as many as 6 persons. How many boats will be needed to transfer 479 tourists?	11)	One floor at Trinoma's parking area has 202 parking slots arranged in 11 rows. About how many parking slots are there in each row?	17)
The club president brought 421 yemas to a rotary club meeting. Estimate the number of yemas each club member gets if 13 club members distribute the yemas equally among themselves.	12)	Johnny's ninang or godmother gives him a collection of 718 stickers of his favorite cartoon. If he puts the stickers on eight scrapbooks, about how many stickers will he put in each scrapbook?	18)
In a running event held at the Marikina Sports Center, 695 runners are divided equally among the 7 lanes. About how many runners are there on each lane?	13)	A chef has 544 celery sticks that he will use for plating. About how many plates can he decorate if he uses 6 celery sticks per plate?	19)
During a harvest season, 5,772 mangoes are harvested from all the trees. About how many mangoes does each tree produce if there are a total of 72 trees?	14)	8 coconuts are needed to make one container of sherbet. About how many containers of sherbet can be made from 228 coconuts?	20)

ARAL Math Grade 5 Worksheet 26 (Part 1)

Solve the following word problems.	
You collected 395 bottle crown caps in October and 687 in November. You need 150 caps each to make a tambourine. How many tambourines can you make? How many caps will be left?	1)
Dennis practices swimming for 2 hours each day from Monday to Friday and 3 hours each day on Saturday and Sunday. How many hours in all does he practice in a week?	2)
Each lap in the swimming pool is 149 feet long. If you swim 5 laps every day for 4 days, how many feet do you swim in all?	3)
The students sold 5,157 play tickets on Monday and 6,871 on Tuesday. If each ticket costs 12 pesos, how much money did they collect in all? If they spent 8,000 pesos on the play, how much money was left?	4)
There are 741 seats in a stadium arranged in 8 equal rows. How many seats are in each row? If 36 seats in each row are reserved, how many seats are left in each row?	5)
A fastfood chain distributes 627 chicken cuts to each of its 728 branches every day. How many chicken cuts does it distribute in a day? If they operate 30 days in a month, how many chicken cuts do they distribute in a month?	6)
You bought 65 sacks of cement and each sack weighs 44 kilos. If the price of cement is 16 pesos per kilo, how much did you pay in all?	7)
In a chess tournament, the Filipino player has made 34 moves while the Chinese player has made 35 moves. If each player then makes 15 more moves, how many more moves has the Chinese player made than the Filipino player?	8)
Marie rode her bike for 2,753 meters on Friday, 7,685 meters on Saturday and 6,929 meters on Sunday. If she plans to ride an average of the total distance equally each day for the 3 days, how many meters will she ride each day?	9)
Ricky has 963 basketball cards and Marco has 761 cards. If Ricky gives 45 of his cards to Marco, how many more cards does Ricky have than Marco now?	10)
An air-con bus charges P185 per passenger for a one-way trip from Cubao to Batangas Pier. How much will 32 passengers pay in all? If the bus company received 7,000 pesos for the trips, how much change will they give back?	11)
Bella has 6,762 pesos in her bank account. She spends 1,515 pesos on school books and 2,085 pesos on new shoes. How much money will be left in her savings?	12)
A passenger airplane flies 6,325 miles per month. If it flies the same distance every month, how many miles will it fly in 4 years?	13)
If one airplane carries 7,425 passengers in a week, how many passengers will 53 airplanes carry in a year? (Assume every airplane carries the same number of passengers each week.)	14)

ARAL Math Grade 5 Worksheet 26 (Part 2)

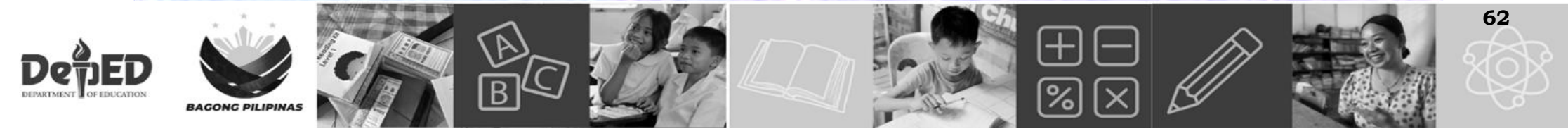
A school bought 2,880 notebooks. They gave the same number of notebooks to 24 classrooms. Later, they bought 480 more notebooks and again gave the same number to each classroom. How many notebooks does each classroom have in all?	15)	A school canteen prepared 3,960 glasses of lemonade for a fiesta. They poured the lemonade equally into pitchers that hold 15 glasses each. If they placed 8 pitchers on each table, how many tables were needed?	23)
A farmer harvested 9,240 kilograms of corn. He packed it equally into 35 sacks. He sold 18 of the sacks for ₱1,360 each and used 2 sacks for feeding animals. How much money did he earn from selling the corn?	16)	A store received a shipment of 5,184 pieces of soap. The soap was packed equally into 27 boxes. If each box was sold for ₱148 and 5 boxes were given as samples, how much money did the store earn?	24)
A water tank has 6,480 liters of water. The water is used equally to fill 18 large drums. Each drum is used to fill 12 small buckets. How many buckets can be filled with the water?	17)	A printing shop printed 12,600 brochures. They packed them equally into bundles of 75. Later, they printed 2,850 more brochures and packed them in the same way. How many bundles of brochures were there in all?	25)
A school has 1,836 students. They will go on a field trip using buses that can seat 45 students each. After that, 24 more students decided to join, so another bus is needed if it also seats 45 students. How many buses are needed in all?	18)	Rico has ₱3,600. He wants to buy shirts that cost ₱285 each. If he buys as many shirts as he can, and then divides the remaining money equally among 3 of his friends, how much will each friend receive?	26)
A store has 720 pencils. It packs the pencils equally into boxes of 24 pencils each. If the store sells each box for ₱85 and gives a discount of ₱250 for every 5 boxes bought, how much will a customer pay for 13 boxes?	19)	A library has 4,752 books. It wants to place the books equally on 18 shelves. If each shelf has 4 layers, how many books will be on each layer?	27)
A company donates 7,560 bottles of drinking water to 12 communities. Each community shares the bottles equally among 63 families. How many bottles does each family receive?	20)	A bus left the city with 540 passengers. At the first stop, 1/3 of the passengers got off. At the next stop, 1/4 of the remaining passengers got off. How many passengers are left on the bus?	28)
A bakery used 4,500 grams of sugar to make cookies. Each batch of cookies uses 125 grams of sugar. If each box holds 20 cookies and there were 3 boxes that were damaged, how many cookies were left to sell?	21)	A garden is 36 meters long and 27 meters wide. Vegetable rows are planted with 3 meters between each row. If each row produces 18 kilograms of vegetables, how many kilograms of vegetables will the garden produce?	29)
A family drove 324 kilometers on the first day of their vacation and 288 kilometers on the second day. If they traveled for 6 hours each day and kept the same speed, how many kilometers did they travel in 1 hour?	22)	A class of 36 students collected ₱5,040 for a project. They decided to buy notebooks for ₱48 each. If the remaining money will be shared equally among the students, how much will each student receive?	30)

ARAL Math Grade 5 Worksheet 27 (Part 1)

Solve the following word problems.	
A baker made 4,320 cupcakes in a year. They were sold in boxes of 12 cupcakes. If each box cost 150 pesos, how much money did the baker collect in total? If they spent 18,000 pesos on ingredients, what was their profit?	1)
You saved 250 pesos every week for 8 weeks. Then, for the next 12 weeks, you saved 315 pesos each week. How much more money did you save in the last 12 weeks than in the first 8 weeks?	2)
A farmer has 1,288 chickens. Each chicken lays an average of 4 eggs a week. The farmer packs the eggs into cartons of 12. How many full cartons will he have in 2 weeks? How many eggs will be left over?	3)
The community gathered 3,450 old newspapers for a recycling drive. If they are packed into large boxes that hold 23 newspapers each, how many full boxes can they make? If they sell each box for 45 pesos, how much will they earn?	4)
On a school trip, there are 256 students and 16 teachers. Each bus can seat 45 people. How many buses are needed for everyone? If they book one extra bus, how many empty seats will there be?	5)
A movie theater sold 6,840 tickets last month. Each ticket costs 225 pesos. How much money did the theater make from ticket sales? If they also spent 550,000 pesos on new equipment, what is their remaining profit?	6)
A clothing store bought 1,500 t-shirts at 95 pesos each. They sold 800 t-shirts at 180 pesos each and rest at 130 pesos each. What was their total profit (selling price minus cost)?	7)
A tree planting group planted 12,360 trees in 4 weeks. If they only work Monday through Friday and planted an equal number of trees each day, how many trees did they plant each day?	8)
You bought 4 bags of dog food at 750 pesos per bag and 6 containers of birdseed at 320 pesos per container. If you paid with five 1,000-peso bills, how much change did you get?	9)
A fruit stand has 1,600 apples. They sorted them into bags of 15. How many bags of apples do they have? If they sell each bag for 120 pesos, how much money will they make? How many apples are left?	10)
Your parents gave you 12,000 pesos for school supplies. You bought a backpack for 850 pesos and 6 notebooks at 125 pesos each. How much money is left?	11)
A library has 9,000 books in its collection. If there are 15 shelves in each of the 40 bookcases, and each shelf is completely full, how many books are on each shelf?	12)
A store has 4,800 pencils. They pack them equally into 24 boxes. If each box is sold for 250 pesos, how much money will the store earn?	13)
You bought 30 kilograms of rice at 45 pesos per kg and 20 kg of sugar at 58 pesos per kg. If you used up all the rice and sugar and sold a baked item for 4,500 pesos, what was your profit (selling price minus ingredient cost)?	14)

ARAL Math Grade 5 Worksheet 27 (Part 2)

A city library bought 4,536 new books. It wants to distribute the books equally to 30 branches. Before giving them out, it keeps 156 books for the main library. How many books will each branch receive?	15)	A school ordered 840 packs of juice for a sports event. Each pack contains 6 juice boxes. If these packs are shared equally among 35 teams, how many juice boxes will each team receive?	23)
A warehouse has 8,190 kilograms of rice. It will pack the rice equally into 45 sacks. If the warehouse sells 28 sacks at ₱1,250 each, how much money will it earn?	16)	A shipping company has 7,560 kilograms of cargo. It will load the cargo equally into 30 crates. Each crate can hold a maximum of 300 kilograms. How many kilograms of space will be left unused in all the crates?	24)
A school has 7,200 pencils. It gives the same number of pencils to 16 classrooms. Then it buys 240 more pencils and gives the same number again to each classroom. How many pencils does each classroom get in total?	17)	A toy store has 2,850 toy cars. It wants to display them equally on 15 shelves. Each shelf has 3 levels. How many toy cars will be on each level?	25)
A bus company has 2,448 passengers for a tour. The buses can seat 48 passengers each. After filling as many buses as possible, 2 more buses are added for the remaining passengers. How many passengers will be in the last bus?	18)	Marian has ₱5,700. She buys a pair of shoes for ₱1,685 and a bag for ₱845. She divides the remaining money equally among her 4 siblings. How much money will each sibling receive?	26)
A store packs 960 erasers equally into boxes of 24 erasers each. Each box is sold for ₱35. If a customer buys 12 boxes and gets a discount of ₱60, how much does the customer pay?	19)	A farm harvested 5,760 kilograms of vegetables. It packed them equally into 48 crates. If 15 crates are sent to the market and the rest are divided equally into 11 baskets, how many kilograms of vegetables are in each basket?	27)
A company delivered 6,480 liters of paint to 15 branches equally. Each branch used 108 liters for a community project. How many liters of paint does each branch still have?	20)	A bus left the terminal with 600 passengers. At the first stop, 3/10 of the passengers got off. At the second stop, 1/5 of the remaining passengers got off. How many passengers are left on the bus?	28)
A factory produced 3,600 cookies. It packs them equally into boxes of 30 cookies each. If 25 boxes are donated to a school and the rest are sold for ₱120 per box, how much money is earned from the sales?	21)	A school has ₱9,360 to buy art supplies. It buys 24 sets of paintbrushes for ₱85 each. The rest of the money is used to buy sketchbooks for ₱72 each. How many sketchbooks can the school buy?	29)
A family went on a road trip. They drove 264 kilometers on the first day and 336 kilometers on the second day. They traveled for 6 hours each day at the same speed. How many kilometers did they travel in 1 hour?	22)	A warehouse has 9,675 canned goods. It will pack them equally into 75 boxes. If 1,125 canned goods are then removed for damaged items, how many cans are left in each box?	30)



ARAL Math Grade 5 Worksheet 28 (Part 1)

Solve the following equations. Follow the correct order of operations.	
1) 111 + 999 - 555	5) 13 + 987 - 987
2) 5,555 + 74,120 - 9,874	6) (41,250 + 6,985) x 314
3) 98,745,210 + 96,574 + 6,521	7) (6,987 + 96) x 510
4) 887 + 654,120 + 98	8) 6,970 + 987 - (6,988 + 78)

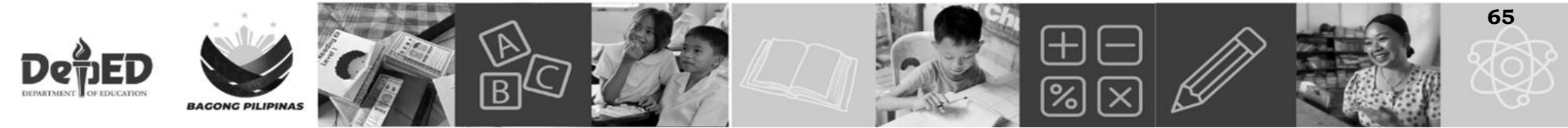
9) 54,587 + 1,024 + 69 - 55	13) 47,564 + 698 + 10,963
10) 4,510 + 9,897 + 324 - 13	14) 4,103 + 987 + 310 - 96
11) 975 + 100,254 - 965	15) 7,841 + 68,768 + 410
12) 9,787 - 1,002 + 987	16) 99,474 - 9,874 + 87

ARAL Math Grade 5 Worksheet 28 (Part 2)

17) 2,293,164 x 2 - 123,456	21) 54,260 x 14 + 962,342	25) 53,321 + 892,784 - 14,321	29) 53,423 x 2 - 4,412 x 5
18) 3,592,238 ÷ 2 - 134,234	22) 32,978 x 16 + 892,345	26) 56 x 132 + 1,428,920 - 56,123	30) 1,312,973 - 2,422 x 21
19) 8,234,926 ÷ 2 - 314,269	23) (6,913 - 2,918) x (75 ÷ 15)	27) (6,316 + 2,431) x 3	31) (865,897 - 812,689) x 64
20) 152,234 x 12 + 346,296	24) 154,813 x 14 + 132,866	28) 214 x 352 -12,787	32) 7,844,812 ÷ 8 x 24

ARAL Math Grade 5 Worksheet 29 (Part 1)

Solve the following. Follow the correct order of operations.			
1) 2,154,122 - 8,918 x 48	5) 9,238,236 + 20,369 - 32,021	9) (9,021,034 ÷ 2) + 1,021,392	13) 25 x 23 + 6,675 ÷ 3
2) 1,135,898 + 157,903 - 12,348	6) 7,114,898 + 45,842 - 198,236	10) (8,294,893 ÷ 2) + 109,236	14) 348,234 x 18 + 892,444
3) 268,592 + 359,236 - 112,349	7) 2,138,284 ÷ 2 + 102,021	11) (120,999 ÷ 2) + 201,923	15) 232,536 x 12 + 962,023
4) 2,389,268 + 120,236 - 20,395	8) 1,135,898 ÷ 2 + 12,358	12) (19,855 -14,510) x (112 ÷ 16)	16) 100,457 x 14 + 448,996



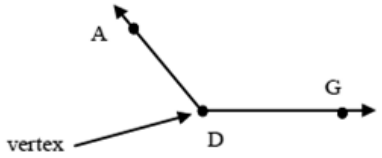
ARAL Math Grade 5 Worksheet 29 (Part 2)

17) 9,603,888 ÷ 2 - 345,962	21) 901,882 + 321,992 - 100,920	25) 4,051,883 ÷ 2 + 203,999	29) the sum of 824,512 and 5,432 times 67
18) 9,884,236 ÷ 2 - 223,992	22) 443,899 x 9 ÷ 4 + 123,098	26) 892,342 x 8 - 12,355	30) the difference of 5,234,981 and 929,452 times 3
19) 102,884 ÷ 2 - 10,203	23) 264,895 x 8 - 130,011	27) the sum of 435,986 and 324 times 1,142	31) the sum of 26,820 and 36,987 divided by 6
20) 64 x 96) + 132,990 - 132,094	24) 1,923,888 ÷ 2 + 5,031,933	28) the difference of 4,232,153 and 2,435 times 1,323	32) the product of 308,091 and 109 decreased by 515,853

ARAL Math Grade 5 Worksheet 30 (Part 1)

Angles

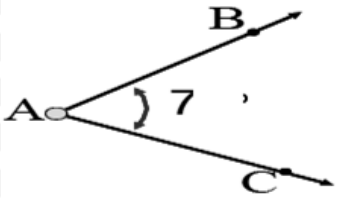
An angle is a geometric figure formed when two rays meet at a common end point called the **vertex.**



Rays DA & DG intersect at point D. It formed an angle. The symbol for angle is " ".

∠

Naming Angles



Angle Name

∠BAC

∠CAB

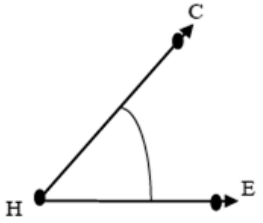
∠A

∠7

There are several ways of naming angles:

- a capital letter at its vertex;
- or by three capital letters either clock-wise or counterclockwise. the middle letter is the vertex while the other two are points on each ray.
- A number at the angle

Answer the following questions.

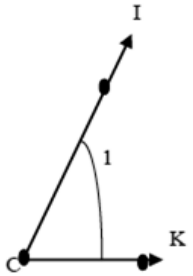


Name this angle in three ways:

1)

2)

3)



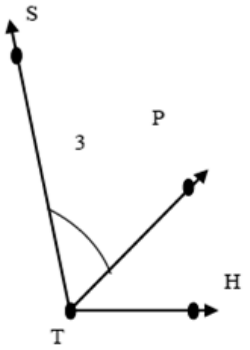
Name this angle in four ways:

4)

5)

6)

7)

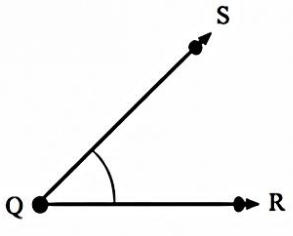


Name one angle in any way.

8)

ARAL Math Grade 5 Worksheet 30 (Part 2)

Answer the following questions.

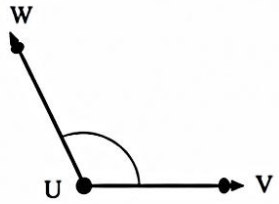


Name this angle in three ways:

9)

10)

11)

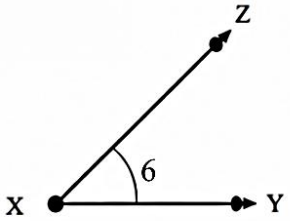


Name this angle in three ways:

18)

19)

20)



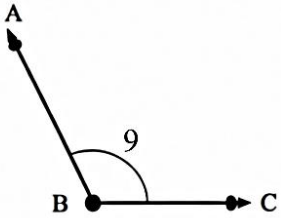
Name this angle in four ways:

12)

13)

14)

15)



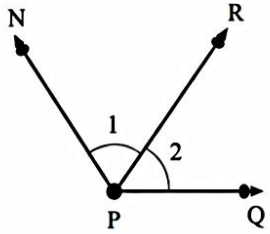
Name this angle in four ways:

21)

22)

23)

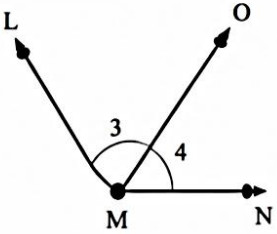
24)



Name the two different angles in any way.

16)

17)

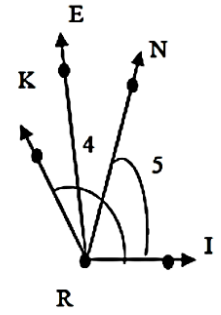


Name the two different angles in any way.

25)

26)

ARAL Math Grade 5 Worksheet 31 (Part 1)



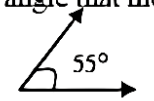
There are six different angles in the figure, name them in any ways.

1)	4)
2)	5)
3)	6)

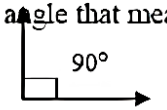
Kinds of Angles

Angles may be acute, right or obtuse based on their measures.

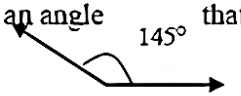
Acute Angle is an angle that measures less than 90°.



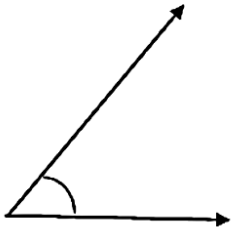
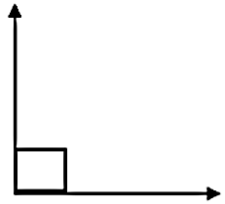
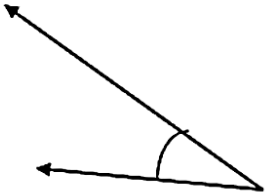
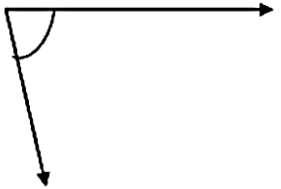
Right Angle is an angle that measures exactly 90°.



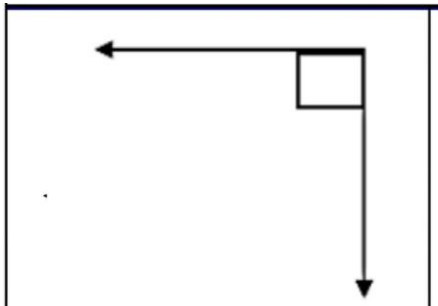
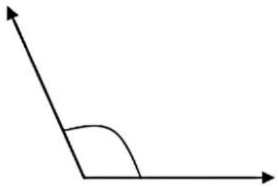
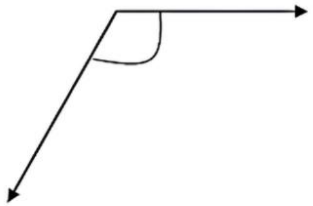
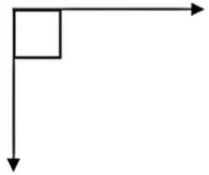
Obtuse Angle is an angle that measures greater than 90°.

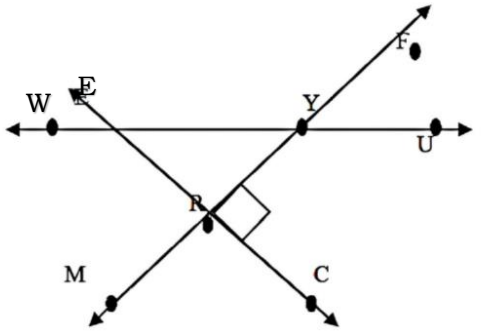


Identify the kind of each angle.

	
7)	8)
	
9)	10)
	
11)	12)

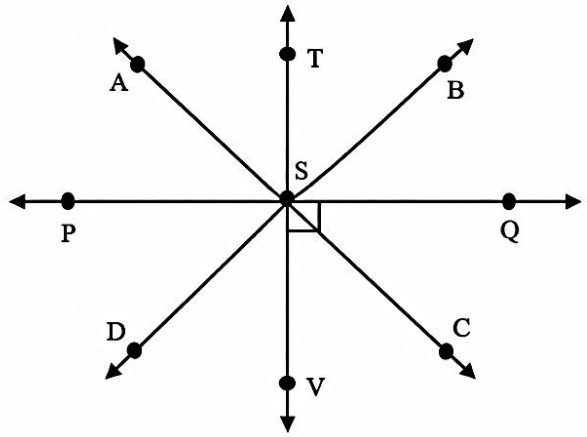
ARAL Math Grade 5 Worksheet 31 (Part 2)

	
13)	14)
	
15)	16)
	
17)	18)

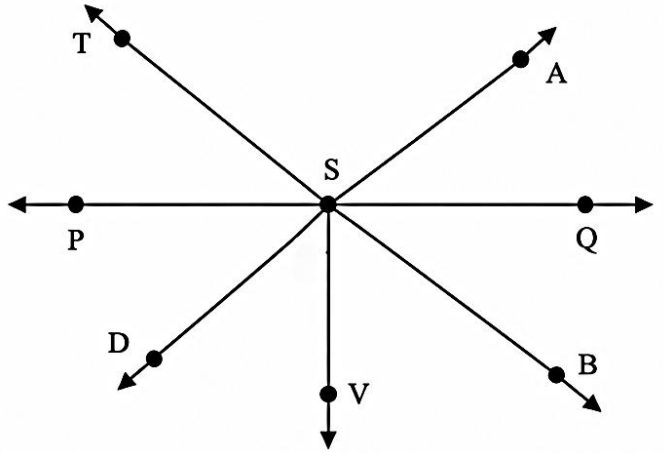


Name three acute angles	19)
	20)
	21)
Name two obtuse angles	22)
	23)
Name four right angles	24)
	25)
	26)
	27)

ARAL Math Grade 5 Worksheet 32 (Part 1)

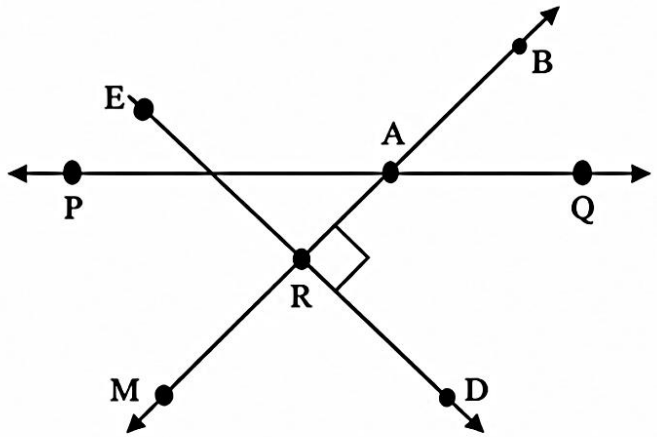


Name three acute angles	1)
	2)
	3)
Name two obtuse angles	4)
	5)
Name four right angles	6)
	7)
	8)
	9)

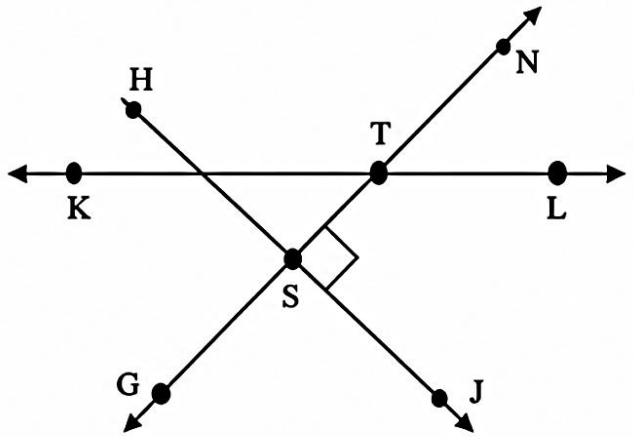


Name three acute angles	10)
	11)
	12)
Name two obtuse angles	13)
	14)
Name four right angles	15)
	16)
	17)
	18)

ARAL Math Grade 5 Worksheet 32 (Part 2)



Name three acute angles	19)
	20)
	21)
Name two obtuse angles	22)
	23)
Name four right angles	24)
	25)
	26)
	27)



Name three acute angles	28)
	29)
	30)
Name two obtuse angles	31)
	32)
Name four right angles	33)
	34)
	35)
	36)