Academic Recovery and Accessible Learning

ARAL PROGRAM

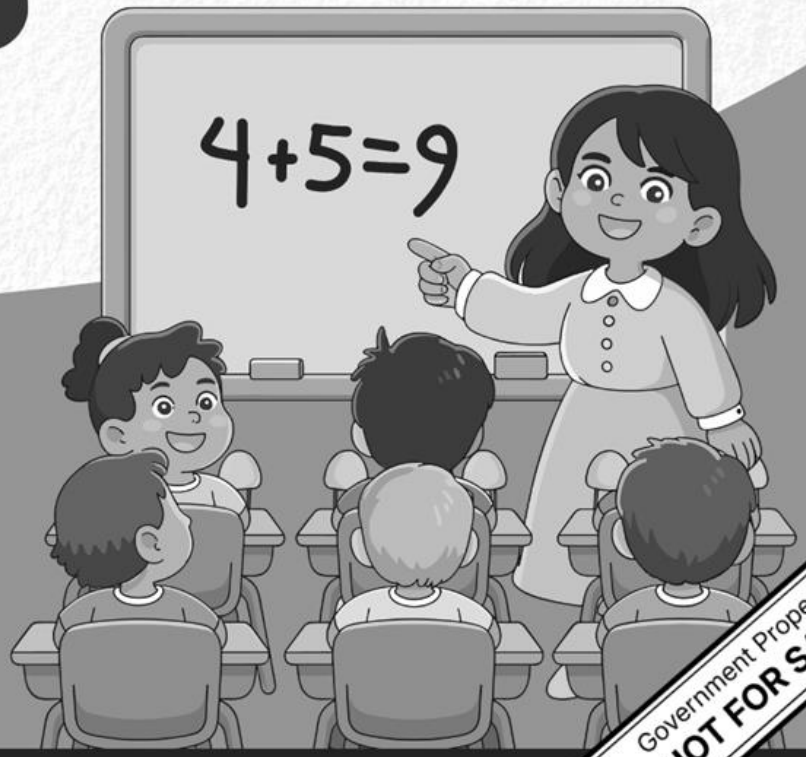
DepED DEPARTMENT OF EDUCATION

BAGONG PILIPINAS

LEARNER'S WORKSHEETS

MATH

GRADE 4



ARAL-Mathematics Learner's Worksheets
Key Stage 2 – Grade 4

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Department of Education – Bureau of Learning Resources (DepEd-BLR)
Office Address: Ground Floor, Bonifacio Building, DepEd Complex
Meralco Avenue, Pasig City, Philippines 1600
Telefax: (02) 8634-1054; 8634-1072; 8631-4985
Email Address: blr.lrqad@deped.gov.ph; blr.lrpd@deped.gov.ph

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ARAL Math Grade 4 Worksheet 1 (Part 1)

Odd and Even Numbers

Numbers that end with 0,2,4,6,8 are **EVEN**.

24, 56, 88, 100 are even numbers

Numbers that end with 1,3,5,7,9 are **ODD**.

13, 45, 99, 101 are odd numbers

Determine if each number is odd or even.

23	1)
25	2)
88	3)
22	4)
73	5)
16	6)
29	7)
72	8)
48	9)
84	10)
45	11)
183	12)
902	13)
100	14)
528	15)
565	16)
982	17)
126	18)

ARAL Math Grade 4 Worksheet 1 (Part 2)

609	19)	723	30)
432	20)	352	31)
25	21)	947	32)
71	22)	727	33)
91	23)	736	34)
10	24)	720	35)
63	25)	500	36)
83	26)	238	37)
174	27)	147	38)
125	28)	371	39)
364	29)	945	40)

ARAL Math Grade 4 Worksheet 2 (Part 1)

Comparing Similar Fractions

Similar Fractions are fractions with the same denominator. When comparing fractions with the **same denominator**, simply **compare the numerators.**

For example,

$\frac{2}{5} < \frac{3}{5}$ since 2 < 3

Fill in the blanks with the correct symbol (<,>, or=)

1/3	1)	2/3
4/4	2)	1/4
3/10	3)	9/10
5/6	4)	3/6
9/17	5)	15/17
8/9	6)	7/9
10/10	7)	9/10
11/15	8)	14/15
16/18	9)	6/18
200/300	10)	250/300

431/576	11)	123/576
323/522	12)	332/522
101/200	13)	110/200
134/150	14)	144/150
366/700	15)	300/700
250/280	16)	240/280
66/400	17)	60/400
990/1000	18)	999/1000
780/800	19)	708/800
236/347	20)	347/347
845/987	21)	897/987
624/676	22)	345/676

ARAL Math Grade 4 Worksheet 2 (Part 2)

Comparing Dissimilar Fractions

Dissimilar Fractions are fractions with different denominators. To compare dissimilar fractions, we use the **cross product method.** This is done by multiplying the numerator to the denominator of the other fraction and vice versa. Study the example below.

$7 \times 2 = \underline{14}$ $\quad$ $5 \times 3 = \underline{15}$

$\frac{2}{5} \quad \frac{3}{7}$

Since, $14 < 15$, $\quad \frac{2}{5} < \frac{3}{7}$

Compare the following by using <, > or =.

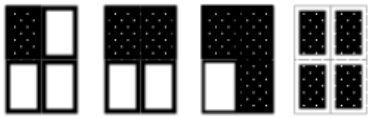
23)	1/3	_____	1/5
24)	3/4	_____	3/5
25)	2/4	_____	2/8
26)	5/3	_____	5/4
27)	7/10	_____	5/8
28)	1	_____	1/4
29)	2/5	_____	1/2
30)	3/5	_____	3/4
31)	1/2	_____	1/6
32)	1/6	_____	1/5
33)	3/9	_____	3/6
34)	4/7	_____	4/8
35)	7/10	_____	7/15
36)	4/15	_____	3/16
37)	25/75	_____	50/70
38)	8/16	_____	8/32
39)	5/15	_____	5/10
40)	40/70	_____	40/60
41)	4/16	_____	4/20
42)	6/10	_____	8/12
43)	30/50	_____	35/60
44)	20/25	_____	17/30
45)	1/5	_____	1/3
46)	2/3	_____	2/5
47)	1/3	_____	1/6
48)	4/6	_____	4/5
49)	1/2	_____	1/3
50)	2/3	_____	2/5

ARAL Math Grade 4 Worksheet 3 (Part 1)

Arranging Fractions in ASCENDING ORDER

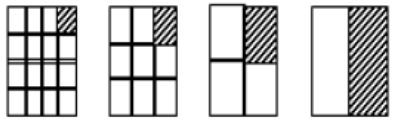
A. Fractions with the Same Denominator
If the given fractions have the same denominator, it follows that the LARGER the numerator, the LARGER the fraction.

Example:
Given the fractions 4/4, 1/4, 3/4 and 2/4, arrange them in descending order.
Answer: 1/4 2/4 2/4 4/4



B. **Fractions with the Same Numerator**
If the given fractions have the same numerator but different denominators, it follows that the BIGGER the denominator, the SMALLER the fraction.

Example:
Given the fractions 1/2, 1/9, 1/4 and 1/16, arrange them in descending order.
Answer: 1/16 1/9 1/4 1/2



Arrange the fractions in ascending order.	
2/9, 5/9, 3/9 4/9	1)
4/15, 2/15, 7/15, 5/15	2)
3/50, 15/50, 22/50, 11/50	3)
45/60, 34/60, 9/60, 16/60	4)
6/12, 6/15, 6/20, 6/25	5)
7/49, 7/56, 7/35, 7/28	6)
5/30, 5/25, 5/70, 5/65	7)
5/90, 5/50, 5/10, 5/20	8)
15/45, 15/30, 15/40, 15/50	9)
15/20, 10/20, 6/20, 8/20	10)
11/22, 15/22, 19/22, 7/22	11)
18/90, 9/90, 27/90, 30/90	12)
16/30, 16/40, 16/50, 16/60	13)
16/25, 11/25, 6/25, 21/25	14)

ARAL Math Grade 4 Worksheet 3 (Part 2)

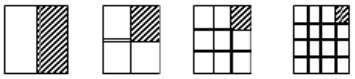
Arranging Fractions in DESCENDING ORDER

A. Fractions with the Same Denominator
If the given fractions have the same denominator, it follows that the SMALLER the numerator, the SMALLER the fraction.

Example:
Given the fractions 4/4, 1/4, 3/4 and 2/4, arrange them in descending order.
Answer: 4/4 3/4 2/4 1/4

B.Fractions with the Same Numerator
If the given fractions have the same numerator but different denominators, it follows that the BIGGER the denominator, the SMALLER the fraction.

Example:
Given the fractions 1/2, 1/9, 1/4 and 1/16, arrange them in descending order.
Answer: 1/2 1/4 1/9 1/16



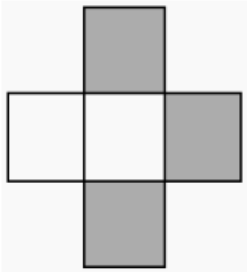
Arrange the fractions in descending order.

13/26, 13/50, 13/30, 13/45	15)
24/60, 24/64, 24/20, 24/50	16)
8/64, 8/80, 8/12, 8/40	17)
9/45, 5/45, 20/45, 25/45	18)
4/8, 2/8, 3/8, 5/8	19)
9/16, 10/16, 8/16, 12/16	20)
9/27, 9/18, 9/36, 9/45	21)
8/40, 8/30, 8/20, 8/24	22)
45/50, 44/50, 42/50, 40/50	23)
30/60, 30/50, 30/45, 30/55	24)
12/24, 12/25, 12/22, 12/20	25)
19/87, 15/87, 24/87, 20/87	26)
7/15, 6/15, 5/15, 3/15	27)
11/23, 5/23, 15/23, 20/23	28)
55/90, 45/90, 50/90, 60/90	29)
32/64, 25/64, 39/64, 46/64	30)

ARAL Math Grade 4 Worksheet 4 (Part 1)

FRACTIONS

A **fraction** is a number that represents a part of a whole.
For example



The figure is divided into five equal boxes. Three of these boxes are shaded. Therefore, three out of the five boxes are shaded. The shaded part of the figure is represented by the fraction:

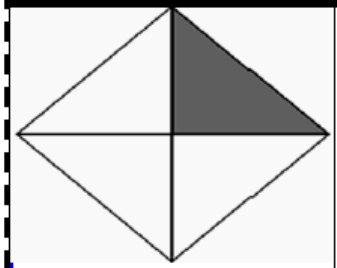
$\frac{3}{5}$

- 3 → Numerator -gives the number of parts named -appears above the fraction bar
- 5 → Denominator-gives the total number of equal

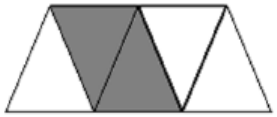
For numbers 1-5 identify its numerator and for 6-10 its denominator

$\frac{1}{5}$	1)	$\frac{21}{35}$	6)
$\frac{25}{30}$	2)	$\frac{15}{20}$	7)
$\frac{6}{10}$	3)	$\frac{6}{8}$	8)
$\frac{11}{16}$	4)	$\frac{10}{28}$	9)
$\frac{7}{4}$	5)	$\frac{4}{5}$	10)

(For nos. 11-19) Fill in the blanks according to the number of parts shown by figure.

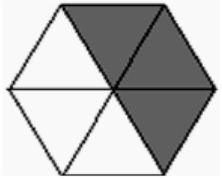


Numerator (number of shaded parts) _____
Denominator (number of equal parts into which the whole is divided) _____
Fraction (shows the shaded part) _____

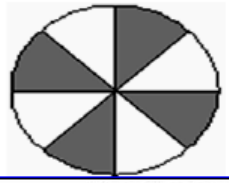


Numerator (number of shaded parts) _____
Denominator (number of equal parts into which the whole is divided) _____
Fraction (shows the shaded part) _____

What fraction of the rectangle is shaded?
_____

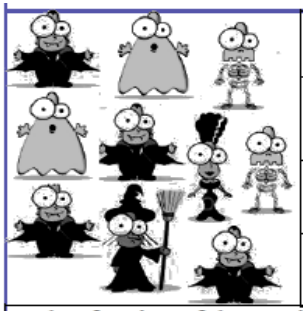


What fraction of the hexagon is shaded?
_____

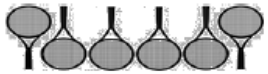


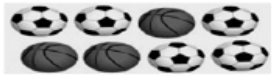
What fraction of the circle is shaded? _____

ARAL Math Grade 4 Worksheet 4 (Part 2)



What fraction of the group are vampires?	20)
What fraction of the group are skeletons?	21)
What fraction of the group are witches?	22)
What fraction of the group are ghosts?	23)

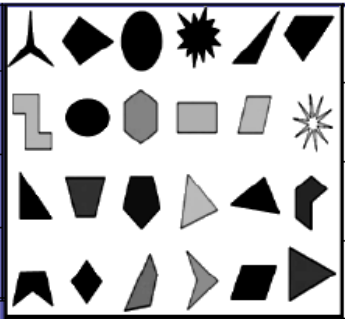
What fraction of the tennis rackets are upside down?  24)

What fraction of the balls are for basketball?  25)

What fraction of the owls are reading?  26)

What fraction of the brushes have fat tips?  27)

What fraction of the pencils are small?  28)



What fraction of the shapes have 4 sides?	29)
What fraction of the shapes have more than 6 sides?	30)
What fraction of the shapes have no sides?	31)
What fraction of the shapes have 3 sides?	32)

What fraction of the pets are rabbits?	33)
What fraction of the pets are dogs?	34)
What fraction of the tarsiers are clinging to a branch?	35)
What fraction of the tarsiers have goggles?	36)
What fraction of the tarsiers are facing left?	37)

What fraction of the dresses have ribbons?  38)

What fraction of the balloons are light-colored?  39)

ARAL Math Grade 4 Worksheet 5 (Part 1)

Writing Fractions in Words

The numerator is written in its cardinal form. On the other hand, the denominator is written in its ordinal form.

For example,
1/3 is written as one third
3/5 is written as three fifths
5/13 is written as five thirteenths
7/12 is written as seven twelfths
13/30 is written as thirteen thirtieths

As an exception, the number 2 is written as half when used as a denominator. Also, if the numerator is 1, the denominator is singular in form.

Write the following fractions from numbers to words.

1/2	1)
3/4	2)
5/9	3)
2/11	4)
6/7	5)
2/3	6)
8/9	7)
3/20	8)
3/5	9)
7/16	10)
2/17	11)
23/25	12)
18/19	13)
16/30	14)
20/23	15)
88/90	16)

Write out the given fractions.

What fraction of the set of caps are white? 	17)
What fraction of the shapes are hearts? 	18)
What fraction of the padlocks are unlocked? 	19)

ARAL Math Grade 4 Worksheet 5 (Part 2)

Fill in the blanks with the correct number.

$\frac{1}{3}$	is 1 of _____ equal parts of a whole	20)
$\frac{1}{4}$	is 1 of _____ equal parts of a whole	21)
$\frac{1}{8}$	is 1 of _____ equal parts of a whole	22)
$\frac{3}{8}$	is 3 of _____ equal parts of a whole	23)
$\frac{1}{5}$	is _____ of 5 equal parts of a whole	24)
$\frac{1}{6}$	is _____ of _____ equal parts of a whole	25)
$\frac{3}{4}$	is _____ of _____ equal parts of a whole	26)
$\frac{7}{8}$	is _____ of _____ equal parts of a whole	27)
$\frac{2}{3}$	is _____ of _____ equal parts of a whole	28)
$\frac{5}{9}$	is _____ of _____ equal parts of a whole	29)

Writing Fractions in Words

The numerator is written in its cardinal form. On the other hand, the denominator is written in its ordinal form.

For example,
1/3 is written as one-third
3/5 is written as three-fifths
5/13 is written as five-thirteenths
7/12 is written as seven-twelfths
13/30 is written as thirteen-thirtieths

As an exception, the number 2 is written as half when used as a denominator.

Write the underlined fractions from words

Mother gave me one-fourth of the cake.	30)
Arnold fills one-third of the glass with water.	31)
Arlita cuts three-sixths of the cartolina.	32)
Ben painted two-thirds of the wall.	33)
Two-fifths of section Masipag are boys.	34)
Each of Aling Cristina's children had one-eighth of the pie	35)
One-half of the section Maligaya got a perfect score in their Math test.	36)
Three-fourths of the world is composed of water.	37)
Among the girl scouts, eight-seventeenths are grade four students.	38)
Five-sixths of the mangoes in the basket are already ripe.	39)
Nine-tenths of the class are already done with their seatwork.	40)
Six-elevenths of the garden is covered with grass	41)
Vito answered nineteen-twentieths of the test questions correctly.	42)

ARAL Math Grade 4 Worksheet 6 (Part 1)

Look for the pattern and write the missing numbers.	
10, _____, _____, 40.	1)
3, _____, 9, 12, _____.	2)
5, _____, _____, _____, 25.	3)
_____, 60, 90, _____, _____.	4)
20, ____, 60, 80, _____.	5)
50, ____, _____, 200, 250.	6)
60, 120, _____, _____, _____.	7)
12, ____, 24,_____, _____.	8)
15, _____, _____, 60, 75.	9)
25, 50, _____, _____, 125.	10)
210, 280, ____, ____, 490.	11)
240, ____, 400, 480, ____, 640.	12)
250, 500, ____, ____, 1250.	13)
45, 90, ____, 180, ____.	14)
150, ____, ____, 600, 750.	15)
1,2, ___, ___, 5,6.	16)
43, 50, 57, 64, ___, 78, ___.	17)
2, 2, 4, 4, 6, 6, 8, 8, ___, ___.	18)
0, ___, 8, 12, 16.	19)
4, 11, 18, ___.	20)
1, 2, 4, 8, ___.	21)
1, 3, 9, ___, 81.	22)
26, ___, 78, 104.	23)
1, 2, 4, 5, 10, 11, ___, ___.	24)
2, 3, 5, 6, 8, 9, ___, ___, ___, ___.	25)
19, 28, 37, 46, ___, ___.	26)
10, 9, 8, 7, ___, ___.	27)
100, 90, ___, 70, 60.	28)
1000, 750, 500, ___.	29)
30, 25, 21, 18, ___, ___.	30)
50, 41, 33, 26, ___.	31)
3, 6, 8, 12, 15, 17, 21, 24, 26, ___, ____, ___.	32)
100, 99, 97, 94, 90, ____, ____.	33)
2, 4, 8, 16, ___, ____, ____.	34)
9, 14, 19, 24, ____, ____.	35)

ARAL Math Grade 4 Worksheet 6 (Part 2)

Complete the number pattern by writing the missing number on the space provided.

36. 4, 8, 12, _____, 20

37. 9, 18, _____, 36, 45

38 30, 27, _____, 21, 18

39. 100. 90, _____, 70, 60

40. 7, 14, 21, _____

Identify the next term in the pattern. Circle the correct answer.

46. △ □ △ □ △ ___ a. □ b. ☆ c. △

47. 4, 8, 12, ____ a. 13 b. 16 c. 20

48. A B C A B ____ a. D b. A c. C

49. 15, 20, 25, ____ a. 30 b. 35 c. 20

50. ♥ ☆ ♥ ☆ ____ a. ☆ b. ♥ c. ♡

Write the missing term.

41. ▲, 10, ■, 20, ▲, _____, ■

42. A, 5, B, 10, C, 15, _____, 20

43. 2, ★, 4, ☆, 6, ★, _____, ☆

44.  , 8,  , 16,  , 24, _____, 32

45. M, 3, N, 6, O, 9, _____, 12

Write or draw the missing term in the box.

51. 

52. 12  24 30 36

53. A  C A B C

54. △ ○  ○ △ ○

55. 50 45 40  30

ARAL Math Grade 4 Worksheet 7 (Part 1)

Find the sum.	
620 + 156 =	1)
380 + 208 =	2)
723 + 250 =	3)
324 + 241 =	4)
435 + 224 =	5)
158 + 250 =	6)
175 + 256 =	7)
574 + 150 =	8)
642 + 161 =	9)
276 + 163 =	10)
550 + 105 + 312 =	11)
427 + 310 + 231 =	12)
200 + 420 + 179 =	13)
204 + 360 + 303 =	14)
462 + 227 + 305 =	15)
200 + 219 + 452 =	16)
110 + 720 + 171 =	17)
408 + 350 + 383 =	18)
458 + 320 + 457 =	19)
329 + 690 + 324 =	20)

ARAL Math Grade 4 Worksheet 7 (Part 2)

1 173 + 2 122 =	21)	1 605 + 1 331 + 2 042 =	31)
8 671 + 1 106 =	22)	4 150 + 2 304 +1 023 =	32)
4 384 + 2 313 =	23)	2 324 + 1 123 + 230 =	33)
5 352 + 3 127 =	24)	5 102 + 2 342 + 537 =	34)
3 103 + 3 166 =	25)	3 561 + 1 523 + 920 =	35)
3 287 + 3 281 =	26)	4 176 + 2 508 + 1 891 =	36)
1 127 + 2 437 =	27)	3 392 + 1 203 + 975 =	37)
3 156 + 3 706 =	28)	1 500 + 780 + 863 =	38)
2 451 + 1 646 =	29)	4 150 + 3 052 + 969 =	39)
2 136 + 1 256 =	30)	1 242 + 3 180 + 5 325 =	40)

ARAL Math Grade 4 Worksheet 8 (Part 1)

Give what is asked.	
What is the sum of 145 and 153?	1)
Add 232 and 361. What is the answer?	2)
What is the sum of 376 and 211?	3)
What is the sum of 135 and 234?	4)
Add 712 and 234. What is the answer?	5)
Add 840 and 567. What is the answer?	6)
What is the sum of 815 and 991?	7)
What is the sum of 525 and 784?	8)
Add 1 857 and 1 891. What is the answer?	9)
Add 3 904 and 795. What is the answer?	10)
What is the sum of 2 75 and 135?	11)
Add 3 847 and 815. What is the answer?	12)
What is the sum of 2 047 and 464?	13)
What is the sum of 3 627 and 196?	14)
Add 3 756 and 1 236. What is the answer?	15)
Add 3 725 and 967. What is the answer?	16)
What is the sum of 1 657 and 3 091?	17)
What is the sum of 1 967 and 2 375?	18)
Add 1 077 and 1 832. What is the answer?	19)
Add 9 015 and 566. What is the answer?	20)

ARAL Math Grade 4 Worksheet 8 (Part 2)

Answer the following word problems.	
Magellan arrived in our country in the year 1521. Miguel Lopez de Legazpi arrived 44 years later. In what year did Legazpi come to our country?	21)
Jose Rizal was born in 1861 and was executed at the age of 35. What year was Rizal executed?	22)
The Spaniards conquered our country in 1565 and colonized the Philippines for 333 years. When did we gain our freedom from the Spanish colonizers?	23)
Ateneo de Manila was founded by the Jesuits in 1589. When did the school celebrate its 50th year?	24)
If Princess Urduja ordered for 30 durians, 27 mangoes and 48 papayas, how many fruits did she order in all?	25)
There are 896 Grade 6 students in Bagumbayan Elementary School. If 195 students transfer to the school, how many Grade 6 Students will there be?	26)
If our school spends P2,345.00 for the repainting of the walls and allots P5,129.00 more for other repairs, what is our school budget for other repairs?	27)
Jose Maria Sison founded the Communist Party of the Philippines (CCP) in 1968. When will the CCP reach its 50th year?	28)
Joseph Estrada became the 13th President of our country in 1998 and was ousted 3 years later. What year was Joseph Estrada ousted?	29)
If Gen. Douglas MacArthur originally had 497 American Soldiers when he came back to the Philippines and 795 Filipino Soldiers joined him, how many soldiers did he have in battle?	30)
Gloria Arroyo buys a kilo of rice for P17.00 If the price of rice increased by P20.00 per kilo, how much is the price of rice now?	31)
Cory Aquino bought 3,281 yellow shirts for her supporters while her daughter Kris bought 1,970 yellow shirts. How many yellow shirts do they have?	32)
Fidel Ramos was born in 1928 and became a Battalion Commander when he was 29 years old. What year was he promoted to be a Battalion Commander?	33)
If there were 1 982 American Soldiers, 2 192 Filipino Soldiers who were in the Death March, how many soldiers were there in all?	34)
There are 1 006 males in the country who are over 65 years old and 2 767 females who are over 65 year old. How many persons are over 65 years old in the country?	35)

ARAL Math Grade 4 Worksheet 9 (Part 1)

Find the difference.	
900 - 250 =	1)
815 - 404 =	2)
984 - 231 =	3)
635 - 420 =	4)
558 - 237 =	5)
950 - 150 =	6)
500 - 250 =	7)
800 - 375 =	8)
700 - 250 =	9)
850 - 250 =	10)

450 - 240 =	11)
824 - 413 =	12)
774 - 124 =	13)
2 100 - 250 =	14)
3 500 - 501 =	15)
6 500 - 2 500 =	16)
4 200 - 3 000 =	17)
5 800 - 3 200 =	18)
612 less 411	19)
778 less 512	20)

ARAL Math Grade 4 Worksheet 9 (Part 2)

950 less 250	21)	1 200 less 157	31)
500 less 100	22)	1 400 less 245	32)
800 less 500	23)	1 600 less 412	33)
700 less 450	24)	1 800 less 467	34)
850 less 120	25)	205 subtracted from 841	35)
450 less 270	26)	141 subtracted from 816	36)
800 less 250	27)	425 subtracted from 764	37)
952 less 321	28)	426 subtracted from 892	38)
958 less 235	29)	628 subtracted from 982	39)
583 less 21	30)	3 400 subtracted from 8 800	40)

ARAL Math Grade 4 Worksheet 10 (Part 1)

Answer the following problems.			
Mona had 714 pesos. Her mother gave her 186 more. After spending 220 pesos on a claw machine, how much money does she have left?	1)	Greg has ₱3,451 and his brother, Brent, has ₱5,387. Greg received ₱425 from his grandmother. How much more money does Brent have than Greg?	6)
Ethan's high school played 544 baseball games this year. He attended 233 games and watched 87 games on television. How many baseball games did Ethan not watch?	2)	There are 8,005 fairy tale books in the library. 1,245 new fairy tale books arrived. On Monday, 3,113 were taken out. How many fairy tale books are left?	7)
Judith has 757 books while Justin has 253 books. Justin received 145 more books. How many more books does Judith have than Justin?	3)	There were 4,277 fiction books. The library received 523 more fiction books. Sadly, 2,904 were ruined in a flood. How many are left?	8)
There are three hundred thirty-nine colored pencils in the drawer. Fred put one hundred sixteen colored pencils into the drawer. Then, he took one hundred forty-five colored pencils from the drawer. How many colored pencils are now in the drawer?	4)	There are 388 Bibles on the top shelf and 297 on the bottom shelf. If 246 Bibles were taken out, how many Bibles are left?	9)
Larkin had 2,174 basketball cards. His uncle gave him 326 more basketball cards. Then, he gave 1,929 of them to his friend. How many basketball cards does he have left?	5)	The coffee shop had 415 cups of coffee to sell. The staff prepared 85 more cups of coffee. The cashier sold 218 cups of coffee. How many cups of coffee are left?	10)

ARAL Math Grade 4 Worksheet 10 (Part 2)

Liam had 808 building blocks. His sister gave him 126 more. He lost 405 of them. How many building blocks does Liam have now?	11)	A rooster found 5256 seeds on the ground. It ate 2139 seeds then walked away. Later, it found 187 more seeds. How many seeds are left on the ground?	17)
Ms.Garcia had 1496 notebooks in her closet. She received 238 more notebooks. She gave 835 away. How many notebooks does Ms.Garcia have left?	12)	Liza has 521 children in her class this year. Last year she had 112 less children in her class. How many children were in Liza's class last year?	18)
The school had 1376 computers. The school bought 245 new computers. Then, 822 computers were given away. How many computers does the school have now?	13)	I found 1453 frogs by the pond. Then, 125 more frogs joined them. 728 of them hopped away. How many frogs are still on the pond?	19)
Jamaica made 2982 cookies for the party. She made 468 more cookies in the afternoon. Kimberly made 1598 cookies. How many more cookies did Jamaica make than Kimberly?	14)	Helen and I baked 3846 cupcakes. We baked 512 more cupcakes in the afternoon. We gave away 2037 cupcakes. How many cupcakes are left?	20)
There were 1369 thermometers in the science lab. The school bought 214 more thermometers. The students used 763 thermometers. How many thermometers were not used?	15)	Daniel gathered 650 eggs from two poultry houses. He gathered 435 eggs from one poultry house. How many eggs did he gather from the other?	21)
3420 children were playing in the tree house. Then, 549 went out to play on the field. Afterward, 128 children went inside the tree house. How many children are playing in the tree house now?	16)	Belle collected 2012 pieces of shell from the shore of Jomalig Island. Kate collected 698 less shells than Belle. How many shells did Kate collect?	22)

ARAL Math Grade 4 Worksheet 11 (Part 1)

Multiplication of a 2-3 digit by a 1-digit factor

To multiply a 2-3 digit number by a 1-digit factor, follow these steps:

1) Multiply each of the digits of the first factor by the ones digit of the other factor.

2) Regroup if needed.

Example:

$$\begin{array}{r} {\scriptstyle 1} \\ 54 \\ \times\ 3 \\ \hline 162 \end{array}$$

Find the product. Show your solution and box your final answer.

1)

$$\begin{array}{r} 43 \\ \times\ 2 \\ \hline \end{array}$$

2)

$$\begin{array}{r} 36 \\ \times\ 4 \\ \hline \end{array}$$

3)

$$\begin{array}{r} 41 \\ \times\ 3 \\ \hline \end{array}$$

4)

$$\begin{array}{r} 73 \\ \times\ 5 \\ \hline \end{array}$$

ARAL Math Grade 4 Worksheet 11 (Part 2)

5)

$$\begin{array}{r} 46 \\ \times\ 3 \\ \hline \end{array}$$

6)

$$\begin{array}{r} 75 \\ \times\ 5 \\ \hline \end{array}$$

7)

$$\begin{array}{r} 67 \\ \times\ 4 \\ \hline \end{array}$$

8)

$$\begin{array}{r} 81 \\ \times\ 5 \\ \hline \end{array}$$

9)

$$\begin{array}{r} 521 \\ \times\ 4 \\ \hline \end{array}$$

10)

$$\begin{array}{r} 326 \\ \times\ 3 \\ \hline \end{array}$$

11)

$$\begin{array}{r} 524 \\ \times\ 8 \\ \hline \end{array}$$

12)

$$\begin{array}{r} 328 \\ \times\ 2 \\ \hline \end{array}$$

Solve the following problems. Show your solution on the space provided and box your final answer.

13) A unique means of transportation we are known for is the tricycle One tricycle can occupy 4 passengers. If there are 32 tricycles of the same size, how many passengers can be accommodated in all?

14) Tricycle bound for *Stop & Shop* are popular because of the bumper car-like ride. If a driver collects 125 pesos from a full load in a single trip, how much does he re-ceive in a day for 9 trips?

ARAL Math Grade 4 Worksheet 12 (Part 1)

Multiplication of a 2-digit by a 2-digit factor

To multiply a 2-digit number by a 2-digit factor, follow these steps:

1) Multiply each of the digits of the first factor by the ones digit of the other factor.

2) Multiply each of the digits of the first factor by the tens digit of the other factor.
Make sure to align the ones digit of the answer to the tens place of the factors.

3) Add the partial products.

Examples:

$$\begin{array}{r} {\scriptstyle 1}\\ 54\\ \times\ 23\\ \hline 162 \leftarrow (54 \times 3)\\ +108 \leftarrow (54 \times 2)\\ \hline \boxed{1{,}242} \end{array}$$

Find the product. Show your solution and box your final answer.

1)

$$\begin{array}{r} 43\\ \times\ 12 \end{array}$$

2)

$$\begin{array}{r} 36\\ \times\ 21 \end{array}$$

3)

$$\begin{array}{r} 41\\ \times\ 29 \end{array}$$

4)

$$\begin{array}{r} 73\\ \times\ 31 \end{array}$$

ARAL Math Grade 4 Worksheet 12 (Part 2)

5)

$$\begin{array}{r} 46 \\ \times\ 23 \\ \hline \end{array}$$

6)

$$\begin{array}{r} 75 \\ \times\ 31 \\ \hline \end{array}$$

7)

$$\begin{array}{r} 67 \\ \times\ 45 \\ \hline \end{array}$$

8)

$$\begin{array}{r} 81 \\ \times\ 55 \\ \hline \end{array}$$

9)

$$\begin{array}{r} 51 \\ \times\ 24 \\ \hline \end{array}$$

10)

$$\begin{array}{r} 36 \\ \times\ 34 \\ \hline \end{array}$$

11)

$$\begin{array}{r} 24 \\ \times\ 18 \\ \hline \end{array}$$

12)

$$\begin{array}{r} 98 \\ \times\ 42 \\ \hline \end{array}$$

Solve the following problems. Show your solution on the space provided and box your final answer.

13) A unique means of transportation we are known for is the jeepney. One jeepney can occupy 18 passengers. If there are 32 jeepneys of the same size, how many passengers can be accommodated in all?

14) Jeepneys bound for *Stop & Shop* are popular because of the rollercoaster-like ride. If a driver collects 95 pesos from a full load in a single trip, how much does he receive in a day for 12 trips?

ARAL Math Grade 4 Worksheet 13 (Part 1)

===== Multiplication by 10 and 100 =====

To multiply numbers by 10 or 100, follow these steps:
1) Copy the first factor.
2) Affix the number of zeros in the second factor, that is, affix one zero if the factor is 10. Affix two zeros if the factor is 10.

34 x 10 = 340 125 x 10 = 1,250 12 x 10 = 120 4 x 10 = 40	Copy the first factor. Then affix **one zero** in the final answer.
12 x 100 = 1200 365 x 100 = 36,500 13 x 100 = 1,300 7 x 100 = 700	Copy the first factor. Then affix **two zeros** in the final answer.

Ex.
265
X 100
26,500

There are 2 zeros in the factors.

Multiply the following.

9 X 10	1)
45 X 10	2)
786 X 10	3)
1,998 X 10	4)
7 X 10	5)
67 X 10	6)
886 X 10	7)
6 X 10	8)
21 X 10	9)
597 X 10	10)

ARAL Math Grade 4 Worksheet 13 (Part 2)

5 X 10	111)	5 X 100	21)
75 X 10	12)	75 X 100	22)
145 X 10	13)	145 X 100	23)
340 X 10	14)	340 X 100	24)
7 X 10	15)	7 X 100	25)
6 X 10	16)	6 X 100	26)
4 X 10	17)	4 X 100	27)
9 X 10	18)	9 X 100	28)
9 X 100	19)	9 X 100	29)
65 X 100	20)	65 X 100	30)

ARAL Math Grade 4 Worksheet 14 (Part 1)

1. There are 8 baskets. Each basket has 7 oranges. How many oranges are there in all?	2. A classroom has 6 rows of chairs. Each row has 9 chairs. How many chairs are there in all?
3. A notebook costs ₱18. Mia buys 4 notebooks. How much does she pay?	4. A garden has 7 rows of plants. Each row has 12 plants. How many plants are there in all?
5. Carlo sells 24 bottles of juice each day for 6 days. On the last day, he sold 15 more bottles. How many bottles did he sell in all?	6. A library has 7 shelves with 18 books on each shelf. The librarian donated 22 more books. How many books are in the library now?
7. Lina planted 9 rows of vegetables with 14 plants in each row. After a storm, 18 plants were damaged. How many plants were left?	8. A runner completes 12 laps each day for 5 days. He ran 8 extra laps on Saturday. How many laps did he run in all?

ARAL Math Grade 4 Worksheet 14 (Part 2)

9. A baker made 9 trays of cupcakes. Each tray has 8 cupcakes. How many cupcakes did the baker make?	10. There are 5 shelves. Each shelf has 14 books. How many books are there in all?
11. A farmer packed 11 baskets with 6 mangoes in each basket. How many mangoes are there in all?	12. A toy store has 8 boxes. Each box contains 15 toy cars. How many toy cars are there in all?
13. A factory produces 28 bottles every hour for 6 hours. It found 17 defective bottles. How many good bottles were produced?	14. Anna bought 7 notebooks costing ₱25 each. She also bought a ruler worth ₱35. How much did she spend in all?
15. A class prepared 8 tables with 9 chairs at each table. 6 extra chairs were brought in. How many chairs are there altogether?	16. A school bought 9 boxes of crayons. Each box has 24 crayons. The teacher used 31 crayons for an art activity. How many crayons were left?

ARAL Math Grade 4 Worksheet 15 (Part 1)

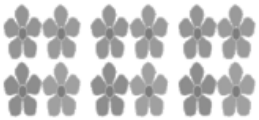
DIVISION

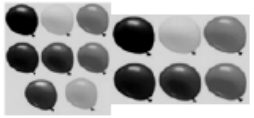
Division means separating things into equal parts.
Example: Jane's dad has 8 wrenches, which he divides into 2 equal groups. How many wrenches are the in each group?

8 ÷ **2** = **4**

8 — wrenches in all; 2 — groups; 4 — number of wrenches in each group

Find out how many groups can be produced from the following.

Group the 10 color pencils into group of two's.		1)
Group the 4 donuts into groups of two's		2)
Group the 12 flowers into group of six's		3)

Group the 12 balloons into group of threes.		4)
Group the 20 candies into group of 4.		5)
Group the 15 brooms into group of fives.		6)

PARTS OF A DIVISION EQUATION

8 ÷ 2 = 4

DIVIDEND — The number to be divided.

DIVISOR — The number by which another number is divided.

QUOTIENT — The answer in division

The equation may also be read as " 8 divided by 2 equals 4.

Determine the parts of the divi-

In $12 \div 2 = 6$

What is the quotient?	7)
What is the divisor?	8)
What is the dividend?	9)

ARAL Math Grade 4 Worksheet 15 (Part 2)

Identify the digits being described.		Solve the following division problem.	
In 20 divided by 5 equals 4, which of them is the quotient?	10)	5 ÷ 1 = _____	18)
		4 ÷ 1 = _____	19)
		2 ÷ 1 = _____	20)
In 20 divided by 5 equals 4, which of them is the dividend?	11)	3 ÷ 1 = _____	21)
		8 ÷ 1 = _____	22)
		9 ÷ 1 = _____	23)
In 20 divided by 5 equals 4, which is the divisor?	12)	12 ÷ 2 = _____	24)
		16 ÷ 4 = _____	25)
		7 ÷ 1 = _____	26)
In 30 divided by 6 equals 5, which of them is the quotient?	13)	30 ÷ 3 = _____	27)
		45 ÷ 5 = _____	28)
		63 ÷ 7 = _____	29)
In 27 divided by 3 equals 9, which of them is the quotient?	14)	81 ÷ 9 = _____	30)
		48 ÷ 6 = _____	31)
		42 ÷ 7 = _____	32)
In 27 divided by 3 equals 9, which of them is the dividend?	15)	64 ÷ 8 = _____	33)
		72 ÷ 8 = _____	34)
		30 ÷ 10 = _____	35)
Which digit is the divisor in the equation: 15 ÷ 3 = 5?	16)	16 ÷ 2 = _____	36)
		20 ÷1 = _____	37)
		20 ÷ 10 = _____	38)
Which digit is the dividend in the equation: 15 ÷ 3 = 5?	17)	27 ÷ 3 = _____	39)
		27 ÷ 9 = _____	40)

ARAL Math Grade 4 Worksheet 16 (Part 1)

Divide the following.	
32 ÷ 4 = _____	1)
35÷ 5 = _____	2)
48÷ 6 = _____	3)
36 ÷ 4 = _____	4)
36 ÷ 6 = _____	5)
42 ÷ 6 = _____	6)
45 ÷ 9 = _____	7)
48 ÷ 8 = _____	8)
49 ÷ 7 = _____	9)
63 ÷ 9 = _____	10)

64 ÷ 8 = _____	11)
18÷ 2 = _____	12)
12 ÷ 3 = _____	13)
15 ÷ 3 = _____	14)
12 ÷ 4 = _____	15)
24 ÷ 3 = _____	16)
28 ÷ 4 = _____	17)
20 ÷ 4 = _____	18)
40 ÷ 5 = _____	19)
30 ÷ 6 = _____	20)
42 ÷ 6= _____	21)
28 ÷ 7 = _____	22)
56 ÷ 7 = _____	23)
64 ÷ 8 = _____	24)
8 ÷ 4 = _____	25)

ARAL Math Grade 4 Worksheet 16 (Part 2)

8 ÷ 2 = _____	26)	16 divided by 2	36)
10 ÷ 5 = _____	27)	20 divided by 5	37)
5 ÷ 5 = _____	28)	50 divided by 10	38)
12 ÷ 4 = _____	29)	16 divided by 4	39)
16 ÷ 4 = _____	30)	27 divided by 9	40)
15 ÷ 5 = _____	31)	45 divided by 5	41)
20 ÷ 5 = _____	32)	50 divided by 5	42)
14 ÷ 2 = _____	33)	8 divided by 4	43)
9 divided by 3	34)	9 divided by 3	44)
4 divided by 2	35)	12 divided by 2	45)

ARAL Math Grade 4 Worksheet 17 (Part 1)

Solve the following division problems.	
15 divided by 3	1)
16 divided by 4	2)
24 divided by 3	3)
27 divided by 3	4)
28 divided by 4	5)
30 divided by 3	6)
32 divided by 4	7)
35 divided by 5	8)
36 divided by 4	9)
40 divided by 4	10)
40 divided by 5	11)
Divide 14 by 7	12)
Divide 18 by 9	13)
Divide 24 by 6	14)
Divide 16 by 4	15)
Divide 30 by 6	16)
Divide 35 by 7	17)
Divide 36 by 9	18)
Divide 42 by 7	19)
Divide 45 by 9	20)

ARAL Math Grade 4 Worksheet 17 (Part 2)

Divide 81 by 9	21)	Divide 18 by 6	31)
Divide 28 by 7	22)	Divide 49 by 7	32)
Divide 32 by 8	23)	Divide 72 by 8	33)
Divide 24 by 8	24)	Divide 21 by 7	34)
Divide 56 by 8	25)	Divide 16 by 8	35)
Divide 48 by 8	26)	Divide 40 by 8	36)
Divide 45 by 9	27)	Divide 64 by 8	37)
Divide 27 by 9	28)	Divide 80 by 8	38)
Divide 36 by 6	29)	Divide 72 by 9	39)
Divide 12 by 6	30)	Divide 63 by 9	40)
		Divide 56 by 7	41)
		Divide 32 by 4	42)
		Divide 72 by 9	43)
		Divide 54 by 6	44)

ARAL Math Grade 4 Worksheet 18 (Part 1)

More on Division of Two to Three - Digit Numbers by One-Digit Divisor

If the first digit of the dividend is smaller than the divisor, take the next digit and follow the steps learned Study the examples below.

Examples:

1)
```
     5 R. 3
  5 ) 2 8
    - 2 5
      3
```
Since 2 is smaller than the divisor 5, take the next digit. (28 ÷ 5)

2)
```
     9 R. 2
  7 ) 6 5
    - 6 3
      2
```

3)
```
       6 2
  4 ) 2 4 8
    - 2 4
      0 8
    -   8
      0
```

Solve for the quotient. Show your solutions.

1) $6 \overline{)46}$	4) $8 \overline{)75}$
2) $7 \overline{)67}$	5) $7 \overline{)61}$
3) $5 \overline{)29}$	6) $8 \overline{)46}$

ARAL Math Grade 4 Worksheet 18 (Part 2)

7) $3\overline{)29}$

8) $6\overline{)26}$

9) $9\overline{)29}$

10) $5\overline{)255}$

11) $8\overline{)248}$

12) $5\overline{)115}$

13) $8\overline{)169}$

14) $8\overline{)179}$

15) $4\overline{)325}$

ARAL Math Grade 4 Worksheet 19 (Part 1)

Division by 2-Digit Divisor

To divide a 2-digit number by a 2-digit divisor, follow these steps:

1) Divide the number by the divisor.

2) Multiply the quotient by the divisor.

3) Subtract the product from the number.

4) Write the remainder if there's any.

Example:

1) $24\overline{)48}$ → $\begin{array}{r} 2 \\ -48 \\ \hline 0 \end{array}$

if bigger numbers are hard to divide mentally, try to multiply the divisor by a factor starting with 1 (or with the most convenient).
24 x 1= 24, 24 x 2 = 48, therefore, 48 ÷ 2 = 2

2) $36\overline{)78}$ → $\begin{array}{r} 2 \text{ r.}6 \\ -72 \\ \hline 6 \end{array}$

36 x 1= 36, 36 x 2= 72, 36 x 3= 108, the closest product not greater than 78 is 72.
So, 78 ÷ 36 = 2 with a remainder.

Find the quotient. Show your solution and box your final answer.

1) $11\overline{)66}$

2) $12\overline{)48}$

3) $25\overline{)75}$

4) $30\overline{)60}$

ARAL Math Grade 4 Worksheet 19 (Part 2)

5) $15\overline{)80}$	6) $35\overline{)95}$	11) $14\overline{)58}$	12) $23\overline{)75}$
7) $45\overline{)98}$	8) $26\overline{)85}$	**Solve the following problems. Show your solution on the space provided and box your final answer.**	
9) $18\overline{)81}$	10) $16\overline{)88}$	13) On their closing program, Ms. Gomez brought 92 pieces of *puto-seko,* a kind of biscuit made from rice flour, and distributed it among her 46 students. How many *puto-sekos* did each of the student receive?	14) As a source of money for her daily allowance in school, Elena sells *yema* to her classmates. She has 75 pieces of *yemas* everyday, which she divides among her 25 classmates. How many *yemas* does she sell to each of them?

ARAL Math Grade 4 Worksheet 20 (Part 1)

Solve for the quotient. Show your solutions.

1) $10\overline{)30}$

2) $10\overline{)60}$

3) $10\overline{)50}$

4) $10\overline{)70}$

5) $10\overline{)90}$

6) $10\overline{)80}$

7) $10\overline{)300}$

8) $10\overline{)600}$

9) $10\overline{)400}$

10) $10\overline{)800}$

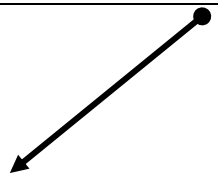
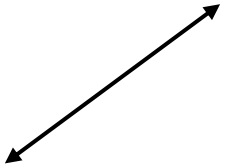
11) $10\overline{)500}$

12) $10\overline{)900}$

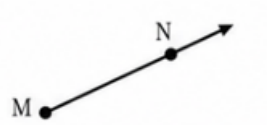
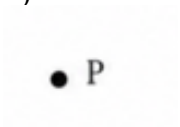
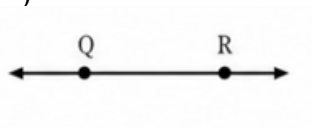
ARAL Math Grade 4 Worksheet 20 (Part 2)

13) $10\overline{)400}$	15) $100\overline{)800}$	17) $100\overline{)200}$	19) $100\overline{)600}$
14) $10\overline{)500}$	16) $100\overline{)700}$	18) $100\overline{)900}$	20) $100\overline{)500}$

ARAL Math Grade 4 Worksheet 21 (Part 1)

Identify the following.	**Look at each figure. Write point, line, line segment, or ray.**	
_____1. It is represented by a dot.		6)
_____2. It is the pointed end of an arrow.		7)
_____3. It is formed by many points, at least points, that extend in opposite directions as represented by the arrowheads.		8)
_____4. It is a part of a line that has one endpoint and one arrowhead.		9)
_____5. It is a part of a line that has two endpoints.		10)
		11)
		12)
		13)
		14)

ARAL Math Grade 4 Worksheet 21 (Part 2)

Name each figure using the point/s. Write point, line, line segment, or ray.	
15) 	_____
16) 	_____
17) 	_____
18) 	_____

Find two of each geometric figure from the box below. Write your answers in symbols.

Line

19) _____

20) _____

Ray

21) _____

22) _____

Point

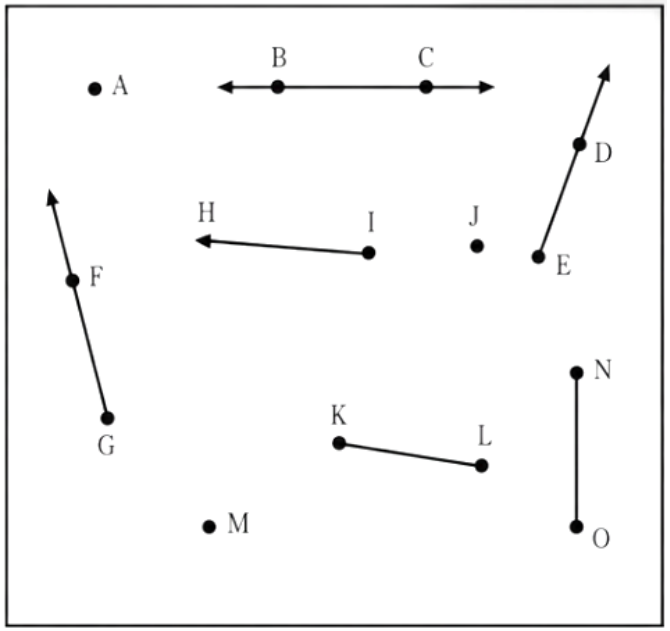
23) _____

24) _____

Line Segment

25) _____

26) _____



Draw each geometric figure inside the box. Use a ruler to help you with your drawing.

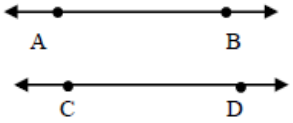
27) point X	28) line YZ	29) line segment PQ	30) ray RS

ARAL Math Grade 4 Worksheet 22 (Part 1)

Line is the second undefined term in geometry. It is made up of points and extends infinitely in both directions. To show infinity, we used arrowheads on both ends of the line. A line can be named using a small letter. It can also be named using any two points on the line & arrowheads.

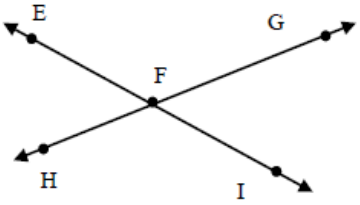
Kinds of Line

Parallel lines are lines that will never meet or intersect. They are equidistant from each other at any point.



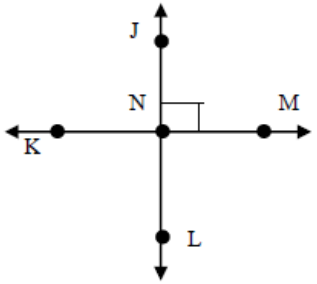
These two lines are parallel. We can write $\overleftrightarrow{AB} \parallel \overleftrightarrow{CD}$.

Intersecting lines are lines that meet at only one point.



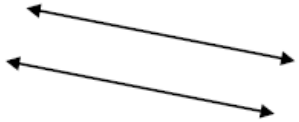
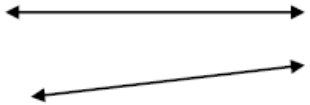
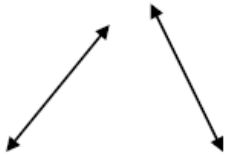
$\overleftrightarrow{EI}$ intersects $\overleftrightarrow{HG}$ at point F.

Perpendicular lines are lines that meet & form 90 degrees.



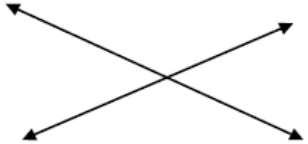
$\overleftrightarrow{JL}$ & $\overleftrightarrow{KM}$ intersects & form 90 degrees. $\overleftrightarrow{JL} \perp \overleftrightarrow{KM}$.

Write parallel or not parallel.

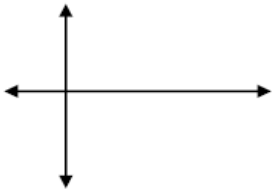
	
1)	2)
	
3)	4)

ARAL Math Grade 4 Worksheet 22 (Part 2)

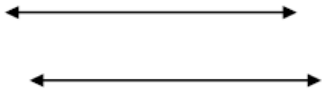
Identify each pair of lines. Write parallel, intersecting or perpendicular.



5)

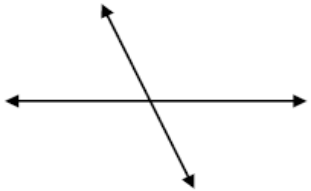


6)

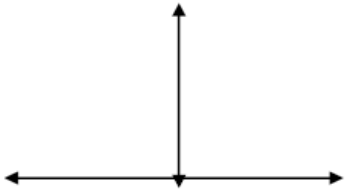


7)

8)

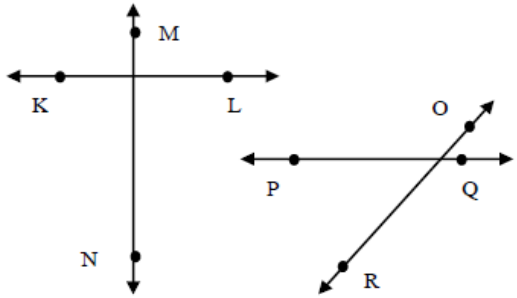


9)



10)

Answer/identify the following:



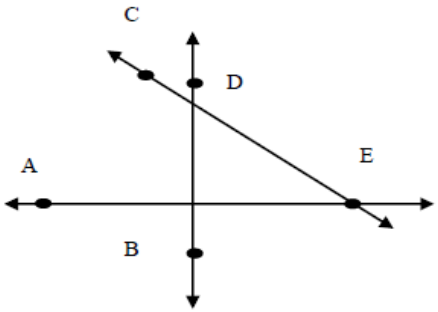
Name the four lines.

11)

12)

13)

14)



Name the three lines.

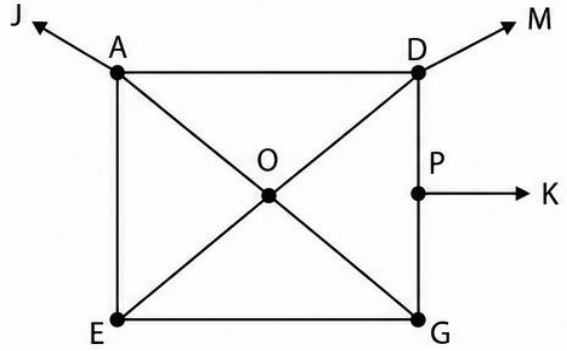
15)

16)

17)

ARAL Math Grade 4 Worksheet 23 (Part 1)

I. Study the figure below. Use it to answer the items.
Write **E** if the two line segments in each item have equal lengths.
Write **NE** if they do not have equal lengths.



_____ 1. $\overline{AD}$ and $\overline{EG}$

_____ 2. $\overline{ED}$ and $\overline{OG}$

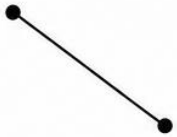
_____ 3. $\overline{GP}$ and $\overline{AE}$

_____ 4. $\overline{DO}$ and $\overline{OG}$

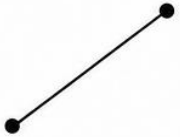
_____ 5. $\overline{PG}$ and $\overline{DA}$

_____ 6. $\overline{GA}$ and $\overline{DE}$

II. Measure the given line segment using a ruler, then draw another line segment of equal length.

1. 

2. 

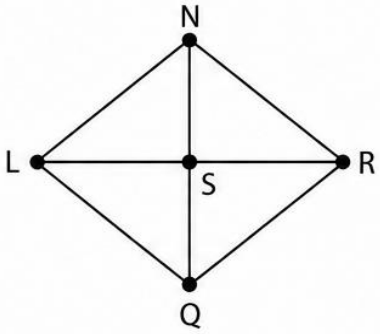
3. 

4.

5.

6. 

III. Study each figure. Use a ruler to answer the question. Write your answer in symbols.



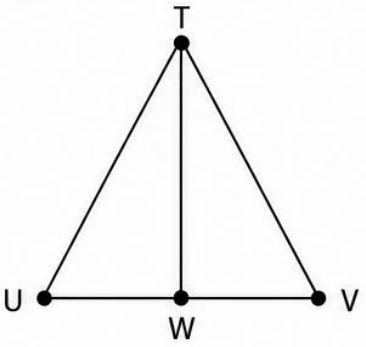
1. In the figure on the left, which pairs of line segments are equal?

a. _____

b. _____

c. _____

d. _____



2. In the figure on the left, which line segment is equal to $\overline{TW}$?

_____

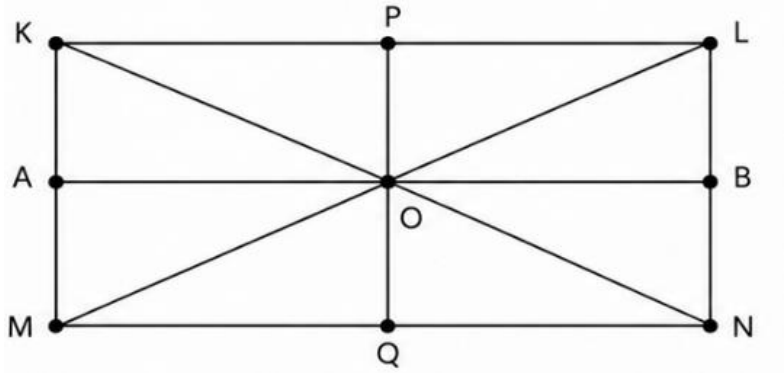
3. Which line segments are equal?

_____

_____

ARAL Math Grade 4 Worksheet 23 (Part 2)

VI. Study the figure below. Write the line segment that is congruent to the given line segment.



1) $\overline{KL}$ = _____

2) $\overline{LM}$ = _____

3) $\overline{KN}$ = _____

4) $\overline{PO}$ = _____

5) $\overline{BN}$ = _____

V. Study each set of line segments. Circle the pair of congruent line segments.

1. A — B	C — D	E — F
2. G — H	J — K	L — M
3. N — P	Q — R	S — T
4. U — V	W — X	Y — Z
5. D — E	F — G	H — I

ARAL Math Grade 4 Worksheet 24 (Part 1)

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 _____

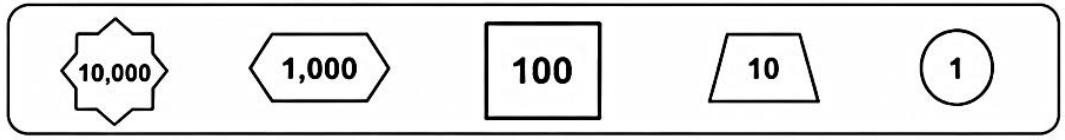
13) 10,000 1,000 100 10 10 1 1 1 1 _____

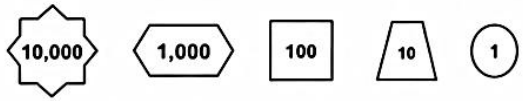
14) 1,000 1,000 100 100 100 100 10 1 _____

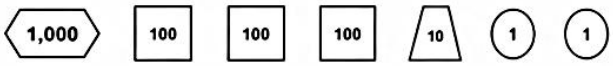
15) 10,000 10,000 1,000 1,000 100 10 _____

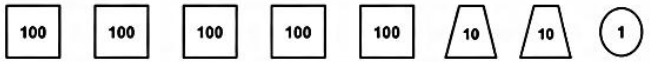
16) 10,000 1,000 1,000 100 100 10 10 1 1 _____

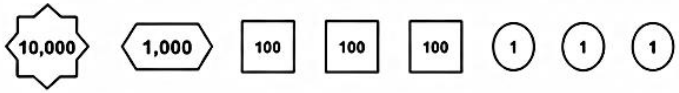
ARAL Math Grade 4 Worksheet 24 (Part 2)

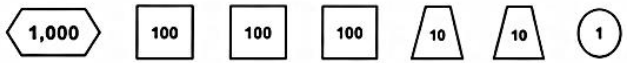


17)  _____

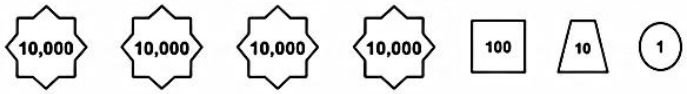
18)  _____

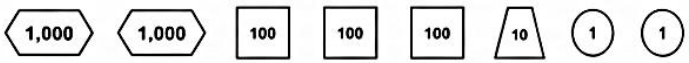
19)  _____

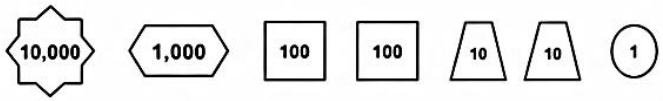
20)  _____

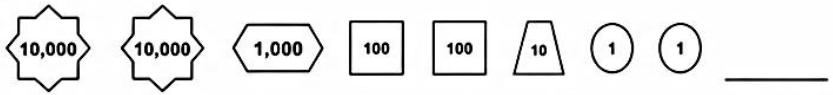
21)  _____

22)  _____

23)  _____

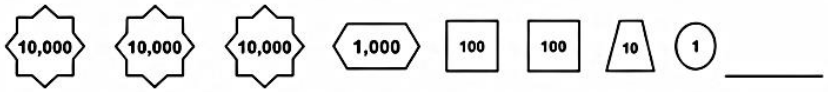
24)  _____

25)  _____

26)  _____

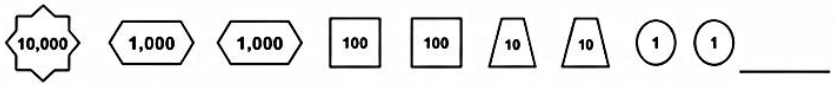
27)  _____

28)  _____

29)  _____

30)  _____

31)  _____

32)  _____

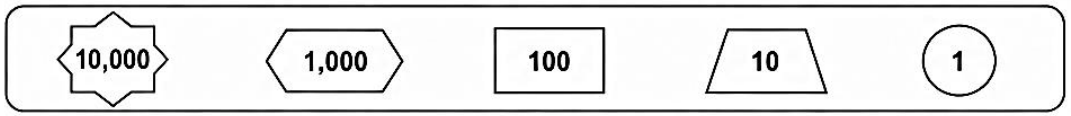
ARAL Math Grade 4 Worksheet 24 (Part 3)

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

33) 10,000 1,000 1,000 100 100 10 1 1 ____	41) 10,000 10,000 10,000 100 100 10 10 1 ____
34) 1,000 1,000 100 100 100 10 10 1 1 ____	42) 1,000 100 100 100 100 10 1 1 ____
35) 10,000 10,000 1,000 100 100 100 10 1 ____	43) 10,000 1,000 1,000 1,000 100 100 10 ____
36) 1,000 1,000 1,000 100 10 10 1 1 1 ____	44) 100 100 10 10 10 1 1 1 1 ____
37) 10,000 100 100 100 10 10 10 1 ____	45) 10,000 10,000 1,000 100 10 10 1 ____
38) 10,000 10,000 1,000 1,000 1,000 10 10 ____	46) 50,000 10,000 10,000 10,000 100 10 1 1 ____
39) 100 100 100 100 10 10 1 1 1 ____	47) 50,000 10,000 10,000 10,000 10,000 100 100 10 ____
40) 10,000 1,000 100 100 10 1 ____	48) 50,000 10,000 10,000 10,000 10,000 1,000 1,000 100 10 ____

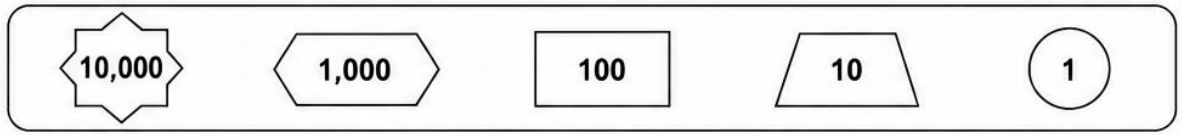
ARAL Math Grade 4 Worksheet 25 (Part 1)

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 4 Worksheet 25 (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 4 Worksheet 25 (Part 3)

10,000	1,000	100	10	1

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

42) 1,000 1,000 1,000 100 100 100 10 1 1 ___

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

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

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

46) 1,000 1,000 1,000 1,000 100 100 10 1 1 ___

47) 10,000 100 100 100 10 10 10 1 1 1 _____

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

49) 10,000 10,000 1,000 1,000 100 100 10 10 1 _____

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

51) 1,000 1,000 100 100 100 100 10 1 _____

52) 10,000 10,000 1,000 1,000 100 10 1 1 _____

53) 100 100 100 100 100 10 10 1 1 1 1 _____

54) 10,000 1,000 1,000 100 100 100 10 10 1 _____

55) 1,000 100 100 100 100 100 10 1 _____

56) 10,000 10,000 10,000 1,000 100 100 10 1 _____

ARAL Math Grade 4 Worksheet 26 (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 4 Worksheet 26 (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 4 Worksheet 26 (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 4 Worksheet 27 (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 4 Worksheet 27 (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 4 Worksheet 28 (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 4 Worksheet 28 (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 4 Worksheet 29 (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 4 Worksheet 29 (Part 2)

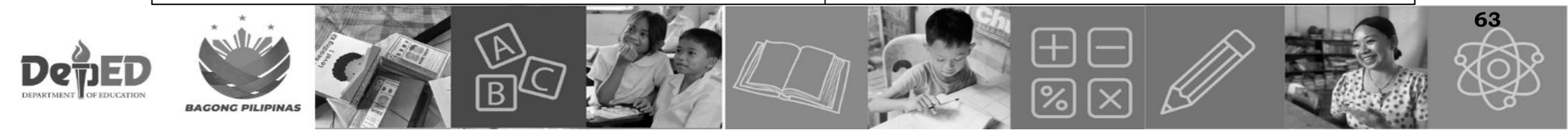
Write the following worded numbers in numerals.	
twelve thousand, six hundred seventy-one	16)
seventy-five thousand, six hundred eighty	17)
three thousand, ninety-two	18)
one hundred thousand	19)
thirteen thousand, seven hundred thirty-six	20)
fourteen thousand, two hundred forty-four	21)
six thousand, 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 4 Worksheet 30 (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	< > =	____	fifteen thousand, six hundred seventy-eight	12)	10,010	< > =	____	ten thousand, nine
3)	seventy thousand, five	____	< > =	69,995	13)	seventy-eight thousand, nine	____	< > =	78,900
4)	8,204	< > =	____	eight thousand, two hundred forty	14)	46,789	< > =	____	forty-six thousand, seven hundred ninety
5)	ninety-nine thousand, nine hundred	____	< > =	99,899	15)	ninety thousand, ninety	____	< > =	89,999
6)	23,450	< > =	____	twenty-three thousand, four hundred forty-nine	16)	24,001	< > =	____	twenty-four thousand, one
7)	sixty thousand, sixty	____	< > =	60,600	17)	fifty-two thousand, five hundred	____	< > =	52,050
8)	17,999	< > =	____	seventeen thousand, nine hundred ninety-nine	18)	9,876	< > =	____	nine thousand, eight hundred seventy-six
9)	five thousand, five	____	< > =	5,050	19)	one hundred thousand	____	< > =	99,999
10)	83,120	< > =	____	eighty-three thousand, one hundred twenty	20)	31,235	< > =	____	thirty-one thousand, two hundred thirty-five



ARAL Math Grade 4 Worksheet 30 (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 4 Worksheet 31 (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 4 Worksheet 31 (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 4 Worksheet 32 (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 4 Worksheet 32 (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 4 Worksheet 32 (Part 3)

Round off each number to the indicated place value.		
	Place Value	ANSWER
51) 42,376	thousands	51)
52) 87,651	ten thousands	52)
53) 23,894	thousands	53)
54) 76,218	ten thousands	54)
55) 19,735	thousands	55)
56) 68,903	ten thousands	56)
57) 55,472	thousands	57)
58) 91,386	ten thousands	58)
59) 34,621	thousands	59)
60) 72,549	ten thousands	60)
61) 28,765	thousands	61)
62) 63,842	ten thousands	62)
63) 84,917	thousands	63)

	Place Value	ANSWER
64) 17,438	ten thousands	64)
65) 93,204	thousands	65)
66) 46,573	ten thousands	66)
67) 29,618	thousands	67)
68) 81,746	ten thousands	68)
69) 37,592	thousands	69)
70) 65,309	ten thousands	70)
71) 22,184	thousands	71)
72) 98,731	ten thousands	72)
73) 14,867	thousands	73)
74) 76,592	ten thousands	74)
75) 39,285	thousands	75)

ARAL Math Grade 4 Worksheet 33 (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 4 Worksheet 33 (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 4 Worksheet 34

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	_____