Mathematics for Grade 1 Teachers

I. UNDERSTANDING NUMBERS BETTER

A. Read each number and give the place value and value of the underlined digit in each of the following.

1. 2̲46	2. 27̲1	3. 1̲42	4. 34̲4	5. 0̲10
6. 18̲0	7. 34̲4	8. 52̲5	9. 79̲3	10. 5̲21

B. Tell the missing digits.

1. 38 means ___ tens, and ___ ones.
2. 14 means ___ ones, and ___tens.
3. 21 means ___ tens, and ___ ones.
4. 89 means ___ ones, and __ tens.
5. 126 means ___ tens, ___ hundreds, and ___ ones.
6. 521 means ___ ones, ___ tens, and ___ hundreds.
7. 344 means ___ hundreds, ___ tens, and ___ ones.
8. 973 means ___ tens, ___ hundreds, and ___ ones.

C. Fill in the blanks with the correct number.

1. 510 = ___ + 10 + 0
2. 498 = 400 + 90 + ___
3. 645 = 600 + ___ + 5
4. 143 = ___ + 40 + 5
5. 105 = 100 + ___ + 5
6. 5 tens, 6 hundreds, 0 ones = _____
7. 9 ones, 0 tens, 7 hundreds = _____
8. In 795, what digit is in the tens place? _____
9. In 845, what digit is in the hundreds place? _____
10. In 598, there are _____ tens.
11. How many ones are there in 849? _____ How many tens are there? _____
12. How many hundreds are there in 934? _____ How many tens are there? _____

II. A. Fill in the blanks with the number that comes just

1. before 89 ___
2. after 420 ___
3. before 234 ___
4. between 142 and 144 ___
5. between 520 and 522 ___
6. before 475 ___
7. after 890 ___
8. before 210 ___
9. after 389 ___
10. between 976 and 978 ___

B. Write <, >, or = in the space provided for.

1. 39 ___ 38	2. 37 ___ 89	3. 57 ___ 59
4. 98 ___ 93	5. 749 ___ 635	6. 934 ___ 734

7. 567 ___ 400 + 70 + 6
8. 789 ___ 700 + 90 + 8
9. 800 + 30 + 9 ___ 893
10. 586 ___ 600 + 50 + 6

C. Write in standard form.

1. thirty-eight _____ 2. forty-nine _____ 3. seventy-nine _____

4. sixty-three _____ 5. ninety-four _____ 6. eighty-one _____

7. five hundred twenty-six _____ 8. six hundred thirty-two _____

9. eight hundred twelve _____ 10. seven hundred sixteen _____

D. Arrange the following from least to the greatest.

1. 45, 23, 77, 38 _____ _____ _____ _____

2. 84, 39, 69, 35 _____ _____ _____ _____

3. 143, 134, 341, 431 _____ _____ _____ _____

4. 567, 452, 854, 254 _____ _____ _____ _____

III. A. Write the number between the given numbers.

1. 56 _____ 58 2. 465 _____ 467 3. 429 _____ 431

4. 354 _____ 356 5. 238 _____ 239 6. 560 _____ 580

7. 78 _____ 84 8. 702 _____ 714 9. 346 _____ 354

B. Fill in the blanks.

1. 12 = _____ tens 2. 23 = _____ ones 3. 975 = _____ tens

4. 789 = _____ hundreds 5. 698 = _____ hundreds 6. 845 = _____ tens

C. Write the number in Roman Numerals.

1. 12 _____ 2. 36 _____ 3. 57 _____

4. 79 _____ 5. 38 _____ 6. 43 _____

7. 46 _____ 8. 29 _____ 9. 52 _____

D. Write the following in hindu-arabic.

1. LIX_____ 2. XIX _____ 3. LXIX _____

4. LXLI _____ 5. LXXII _____ 6. XLIX _____

Challenge!!!!

Solve each problem.

1. What is the greatest two digit number? smallest?

2. What is the greatest three digit number? smallest?

3. What is the smallest three digit odd number? even number?

4. The number 368 comes after me but 366 comes before me.

5. If you add one ten to 90 then you got me.

6. Jolie is 12 years old, Janie is 5 and James is 17. Arrange the names in order from the youngest to the oldest.

7. I am a three digit number. I have an all zero digits except 9. Who am I?

8. May will turn 21 on Thursday but Winny is 21 today. Who is older?

9. What is the next number in the sequence { 27, 30, 33, 36, ___,___}?

10. The twentieth letter in the alphabet is ____.

II. UNDERSTANDING ADDITION AND SUBTRACTION BETTER

A. Add each of the following. How many can you do mentally?

1. 9 + 7	2. 11 + 10	3. 28 + 11	4. 36 + 5	5. 21 + 9	6. 48 + 17	7. 57 + 6
8. 67 + 5	9. 72 + 4	10. 78 + 8	11. 83 + 17	12. 98 + 11	13. 113 + 28	14. 126 + 35
15. 53 + 6	16. 45 + 9	17. 39 + 14	18. 63 + 48	19. 54 + 67	20. 263 + 219	21. 347 + 346

B. Give the differences. How many can you do orally?

1. 9 - 3	2. 11 - 9	3. 28 - 15	4. 36 - 25	5. 21 - 6	6. 48 - 19	7. 57 - 16
8. 67 - 15	9. 72 - 34	10. 78 - 48	11. 83 - 27	12. 98 - 63	13. 113 - 78	14. 126 - 105

II. Analyze each problem then answer the questions that follow.

1. In two boxes, one contains 5 dolls and the other box contains 8 toy cars. How many toys are there in all?
2. There were 26 candies in a bag. If Verena ate 6, how many candies remained?
3. Mr. Pastor caught 16 fish in a fishing trip. But 9 were still small so he let them loose. How many fish did he bring home?

III. Problem solving. Solve each problem. Can you explain your answer?

1. When 18 is added to me, the sum is 38. What number am I?
2. I am greater than 23 + 10 + 9 but less than 18 + 12 + 14. Who am I?
3. I am an odd number. I am greater than 43 + 26 + 3 but less than 112 - 13 - 25. What number am I?
4. My sister is 15 years older than me and she is 34 years old. How old am I?
5. This number is greater than 67 + 26 and less than 59 + 37, but it is not equal to 116 - 22. What number is it?
6. Nona bought 12 apples. She gave 4 to her sister. How many were left if she also gave 2 to her brother?
7. Twenty-six students went to Baguio. Fourteen were girls, how many were boys?
8. If your mother gave you ₱50.00 to buy a sandwich that costs ₱15.00 each, how much is your change?
9. What number is greater than 14 + 23 but less than 98 - 58 and is an even number?
10. I am thinking of a number such that if 8 is removed from the number and 15 is added, the answer is 28. What is my number?

11. There are 48 children in a class. There are 26 boys. How many are girls?
12. There are 5 mother pigs in a pen. Two mother pigs have 12 piglets each and the other 3 have 10 piglets each. How many pigs and piglets in all are there?

13. Tony and Rita picked shells on the seashore. Rita picked 18 shells and Tony picked 7 more than Rita. How many shells altogether did they pick?

Challenge!!!

A. 1. Chad needs ₱26.00 to buy school materials, ₱15.00 for his allowance and ₱ 14.00 for his fare. How much does he need in all?

2. Marge has 3 boxes of toys. Each box contains 12 toys. How many toys does Marge have in all?

3. I am going to buy 19 notebooks for Eva, 13 for Erin, and 11 for Erwin. How many notebooks do I have to buy in all?

4. Roda has 89 orchids. Liza has 67. On Liza's birthday Roda gave her 12 of her orchids. How many more orchids does Liza have than Roda?

5. Edward went to a store. He bought a toy airplane for ₱35, a toy car for ₱38 and candies worth ₱5. How much was left from his ₱100?

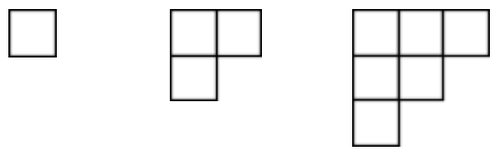
B. 1. Last Christmas, Roy's father gave him five ₱5-coins, 10 ₱1-coins and 6 ₱ 10-bill. How much money did Roy receive from his father?

2. If you have 10 guavas, 8 santols, 13 oranges and 9 apples, how many groups of 4 different fruits can you give to your friends? Can you show how it is done?

3. Hi, I am 5. I am a tens digit. The ones digit is 3 more than I am, and the hundreds digit is 2 less than I. What number do we form?

4. Tarzan likes walking, running and swinging round the jungle. If in a day he can walk 17 kilometers, run 24 kilometers and swing 32 kilometers, how many kilometers in all does he cover in a day?

5. Draw the next 3 figures in the pattern.



6. Hi, I am a 3-digit number. My hundreds digit is 2 more than my ones digit and my tens digit is 1 less than my hundreds digit. What numbers can I be.

11. There are six boxes in a line. The second box contains apples. If Tess put the grapes in the third box after the apples, which box contains the grapes?

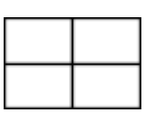
12. My two digit number is odd. It is after 36 but before 39. What is my number?

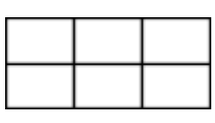
13. I have 100 blue ballpens, 12 black ballpens and 21 red ballpens. How many ballpens do I have in all?

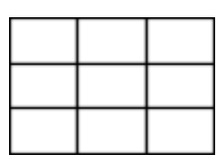
14. My sister Kate is taller than Myra but Kate is shorter than May. Arrange the three from tallest to shortest?

15. What comes next in the sequence {26, 29, 33, 38, _____}.

16. How many squares are there in each given figure below?

a. 

b. 

c. 

III. UNDERSTANDING OUR MONEY BETTER

A. Answer the following.

1. How many coins are there in our monetary system? Name and describe each of them.
2. How many bills are there in our monetary system? Name and describe each of them.
3. How many 25 centavo pieces are there in a. 5 pesos? b. ₱20?
4. In a. ₱100, b. ₱500 how many 20-peso bills are there?
5. In a. ₱50, b. ₱200 how many ten-peso bills are there?

B. Write the following amount of money using the ₱ and the ¢ signs.

	₱	¢		₱	¢
1. 43 centavos			2. 241 centavos		
3. 59 centavos			4. 306 centavos		
5. 89 centavos			6. 478 centavos		

C. Fill in the blanks.

1. ₱3.00 is equal to a. 5 ¢ coins _____ b. 10 ¢ _____ c. 25 ¢ _____.
2. ₱10.00 is equal to a. 25 ¢ coins ____ b. ₱1-coins___ c. ₱5-coins____.
3. There are _____ a. ₱1-coins b. ₱5-coins in ₱25.00
4. There are _____ a. ₱5-coins b. 10-peso coins in ₱60.00
5. There are _____ 20-peso bills in a. ₱80.00 b. ₱300.00 c. ₱500.
6. There are _____ 50-peso bills in a. ₱150.00 c. ₱500 c. ₱1,000.

D. Write <, >, or = to make the statements true.

1. ₱12.12 ___ ₱12.21
2. ₱02.63 ___ ₱20.63
3. ₱5.21 ___ ₱2.15
4. ₱0.89 ___ ₱0.98
5. ₱0.80 ___ ₱0.08
6. ₱9.00 ___ ₱0.90
7. ₱89.00 ___ ₱ 9.80
8. ₱32.20 ___ ₱ 03.22
9. ₱20.00 ___ ₱2.00

D. Find the SUM or DIFFERENCE of each.

1. 14¢ + 16¢	2. 46¢ + 23¢	3. 234¢ + 69¢	4. ₱1.28 + 3.09	5. ₱3.66 + 2.80
6. 76¢ - 14¢	7. 84¢ - 63¢	8. 678¢ - 199¢	9. ₱6.79 - 1.80	10. ₱8.20 - 6.14

B. Compute for the amount.

1. 6 five peso coins and 8 five centavo pieces _____
2. 5 ten peso bills and 3 twenty-five centavo pieces _____
3. 7 ₱1 bills, 4 ₱10 bills and 3 ten centavo pieces _____

4. 9 ₱10 bills, 4 ₱100 bills and 13 ₱5 coins _____

5. 1 ₱500 bill, 3 ₱100 bills and 9 ₱20 bills _____

C. COMPLETE THE SEQUENCE.

1. ₱1.25, ₱1.75, _____, _____, ₱3.25
2. ₱1.02, ₱2.04, ₱3.06, _____, _____

3. ₱3.25, ₱3.30, _____, ₱3.40, _____

4. ₱16.00, _____, _____, ₱10.00, ₱8.00

5. ₱2.99, _____, ₱1.99, _____, ₱0.99

D. Problem solving.

1. Dennis found a 10¢ coin and three 25¢ coins while sweeping their classroom. How much did he put in the lost and found counter?
2. In a voluntary contribution for the needy, Dina gave nine 25¢ pieces and Sandra gave 17 5¢ pieces. How much did they gave in all?
3. In problem number 2, who gave more, Sandra or Dina?
4. How much would 2 toys costs if one is worth 175¢ and the other is worth 199¢?
5. If I were to save ₱2.65 on Monday and ₱3.04 on Tuesday, how much will I be able to save on the two days?
6. Dion and Ramil would like to buy a gift for mother which costs ₱76.50. Dion already have ₱45.90, how much must Ramil provide to complete the amount?
7. Mother has 5 ₱10.00 coins in her purse. If she will give ₱15.00 to Gina for her allowance, what will be left?
8. On Father's day, father bought a pie for ₱125.50 and softdrinks for ₱36.00. How much did father spend for the celebration?
9. Betty bought a dress worth ₱304.89 and socks worth ₱44.99. How much did she spend in all?
10. If a kilo of meat is worth ₱155.00, how much did mother pay for 2 kilos of meat?

Challenge!!!

A. Julia was asked by mother to go to the grocery. She is to buy some items that are needed at home. Mother gave her ₱200. Below are a list of prices of certain commodities.

noodles	- ₱7.45	canned goods	- ₱15.50	milk	- ₱36.35
oil	- ₱26.50	bread	- ₱32.95	egg	- ₱4.75
flour	- ₱32.50	salt	- ₱14.65	sugar	- ₱50.50
soup pack	- ₱36.85	juice drink	- ₱6.34	apples	- ₱9.00

1. Suppose she is to buy 2 eggs and flour for mother's cooking, how much would be left from her money?
2. She knows that mother has had no snack yet and she decided to buy mother a juice drink and bread. How much will it cost her?
3. Tomorrow, they will visit grandmother at the hospital, so she took 3 apples and a soup pack. How much will she pay?
4. If she had only ₱35.00, would Julia be able to buy a pack of noodles, bread and an egg? Why?
5. With ₱100.00, what are some possible combinations that Julia could buy?

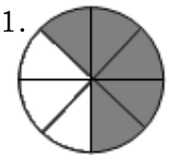
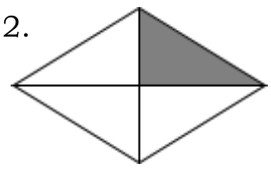
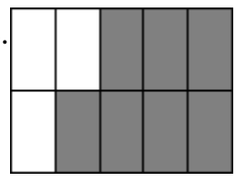
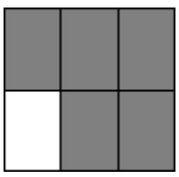
6. What could she possibly buy with ₱50.00? ₱25.00?

B. Try the following.

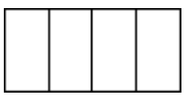
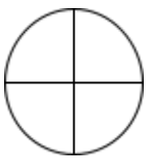
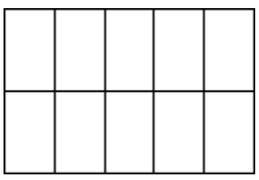
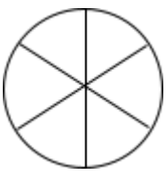
1. Jayvee is asking mother for the ₱3.00 he saved last week to buy a cookie. What are ways that mother could give him his money using 10¢, 5¢, and/or 25¢ coins?
2. If a doll costs ₱52.50, a playhouse ₱83.65 and a whistle ₱12.75, how much more does Belia have to save if she only has ₱40.95?

IV. UNDERSTANDING FRACTIONS BETTER

A. From the figures below, give the fraction for the shaded parts.

1. 
2. 
3. 
4. 
5. 

B. Shade the part of the figure according to the fraction being asked.

1. 3/4 
2. 7/9 
3. 5/7 
4. 2/4 
5. 5/10 
6. 2/6 

C. Divide and shade, then fill in the [ ] with the correct answer.

1. 3/4 means [ ] of the [ ] equal parts.
2. 5/9 means [ ] of the [ ] equal parts.
3. 10/22 means [ ] of the [ ] equal parts.
4. 5/8 means [ ] of the [ ] equal parts.
5. 2/9 means [ ] of the [ ] equal parts.

D. Identify the numerator and denominator of each fraction.

	Num.	Den.		Num.	Den.		Num.	Den.
1. 3/4	_____	_____	4. 5/12	_____	_____	7. 8/19	_____	_____
2. 5/9	_____	_____	5. 12/22	_____	_____	8. 7/20	_____	_____
3. 7/12	_____	_____	6. 13/42	_____	_____	9. 18/27	_____	_____

E. Write the fractions in symbols.

1. two-thirds _____ 2. seven-elevenths _____ 3. five-sixths _____

4. two-fourths _____ 5. ten-twelfths _____ 6. one-fifths _____

7. eight-tenths _____ 8. six-thirteenths _____ 9. three-sixths _____

10. four-fifths _____ 11. One-sevenths _____ 12. five-fifths _____

F. Write in words.

1. 1/3 _____ 2. 4/7 _____

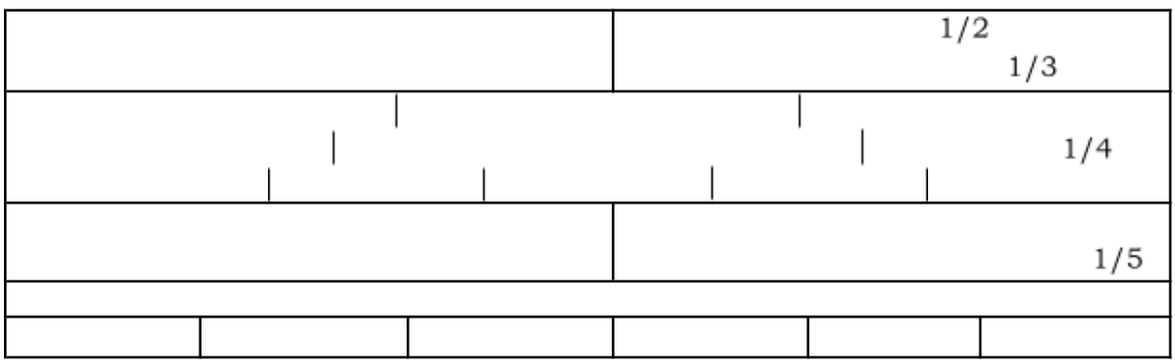
3. 7/9 _____ 4. 2/3 _____

5. 3/4 _____ 6. 5/10 _____

7. 6/11 _____ 8. 7/8 _____

9. 2/15 _____ 10. 2/9 _____

G. Write >, < or = on the blank provided for each.



1. 1/2 _____ 3/6 6. 3/4 _____ 2/6 11. 5/6 _____ 3/4

2. 3/4 _____ 1/6 7. 1/2 _____ 3/5 12. 3/4 _____ 4/5

3. 4/6 _____ 3/3 8. 2/6 _____ 2/4 13. 1/6 _____ 3/2

4. 2/5 _____ 2/4 9. 4/5 _____ 1/2 14. 2/5 _____ 2/3

5. 3/3 _____ 6/6 10. 1/3 _____ 4/4 15. 4/5 _____ 2/3

H. Arrange from smallest to largest.

1. 1/8, 2/8, 5/8, 4/8 _____

2. 3/9, 7/9, 4/9, 6/9 _____

3. 4/7, 6/7, 2/7, 1/7 _____

4. 4/12, 9/12, 6/12, 11/12 _____

5. 2/8, 6/8, 3/8, 5/8 _____

I. Find the answer.

1. 1/2 of 10 _____ 2. 2/3 of 9 _____ 3. 2/4 of 16 _____

4. 5/6 of 30 _____ 5. 1/3 of 12 _____ 6. 1/4 of 8 _____

7. 2/8 of 16 _____ 8. 2/5 of 10 _____ 9. 4/8 of 24 _____

J. Find the missing number to make each statement true.

1. 3/4 + _____ = 4/4 6. 3/12 + 4/12 = _____ 11. _____ - 3/6 = 2/6

2. 2/6 + 3/6 = _____ 7. _____ + 4/8 = 6/8 12. 9/13 - _____ = 1/13

3. _____ + 4/12 = 10/12 8. 5/6 - _____ = 2/6 13. 3/5 - 1/5 = _____

4. 7/9 + 2/9 = _____ 9. 3/12 - _____ = 1/12 14. 3/4 - _____ = 1/4

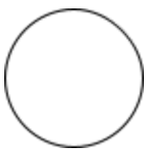
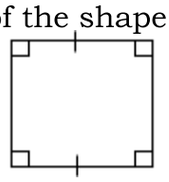
5. 10/20 - _____ = 1/20 10. _____ - 23/25 = 2/25 15. _____ - 1/5 = 3/5

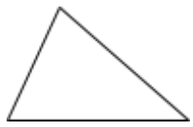
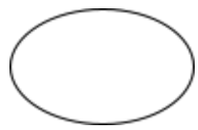
Challenge!!!

1. My denominator is 3. My numerator is 2 less than my denominator, what fraction am I?
2. A pizza was ordered by my friends. If we are 4 in the group and each had eaten 2 pieces, how many parts was the pizza divided into?
3. A kilo of fruits costs ₱60. If Mary bought 4/5 of a kilo, how much did she pay?
4. Lorna has 30 stamps. If she will give 5 stamps to each of her friends she will have 5 stamps left. If she gives 6 stamps to each of her friends she will have nothing left. How many friends does she have?
5. Manny collected 56 shells. If he collected 1/2 of them from the sea, 1/4 were from his friends, and the remainder were bought from a store, how many shells were bought from the store?

V. UNDERSTANDING GEOMETRIC CONCEPTS AND THE CALENDAR BETTER

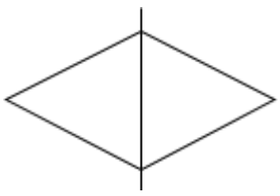
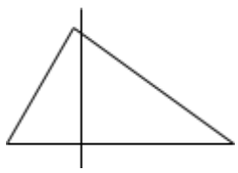
A. Write the name of the shape on the blank below it.

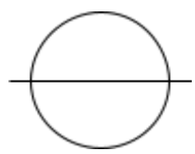
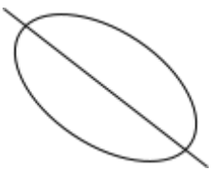



1. _____ 2. _____ 3. _____ 4. _____ 5. _____

B. Which of the following show equal halves. Put them in a box.

C. Encircle the objects that correspond to the shapes asked for.

1. Circle -- car's wheel, paper, plate, book pencil, orange
2. Triangle -- balloon, ice cream cone, pyramid, eraser, marble
3. Square -- diskette, paper, box, cone, drum
4. Oval -- basket, football, egg, bag, can, straw, placemat
5. Rectangle -- pencil case, wallclock, soda crackers, pillow

D. Answer the following questions.

1. What are the days in a week? _____
2. Give the weekdays/school days _____
3. Give the weekends. _____
4. If yesterday was a Tuesday, what will be tomorrow? _____
5. Suppose today is a Thursday, what day will it be one week after today? _____
6. The day that comes after Monday is _____.
7. The third day of the week is _____.
8. There are no classes on _____ and _____ .

9. We usually go to church on _____.

10. There are _____ days in a week.

B. Write the answer on the blank provided for it.

1. There are _____ days in a year.

2. There are _____ days in a month.

3. There are _____ days in an ordinary February.

4. There are _____ days in February during a leap year.

5. There are _____ weeks in a month.

C. Fill in the blanks with the corresponding month for each celebration.

1. Christmas _____
2. New Year _____
3. Valentine's day _____
4. Independence day _____
5. Santacruzan _____
6. Start of Classes _____
7. Graduations _____
8. All saints day _____
9. Bonifacio day _____
10. All souls day _____

D. Fill in the blanks with the corresponding number of days.

1. January = _____
2. April = _____
3. July = _____
4. October = _____
5. February = _____
6. May = _____
7. August = _____
8. November = _____
9. March = _____
10. June = _____
11. September = _____
12. December = _____

Challenge!!!

A. 1. Mother would like to make a curtain for a window. What shape should the curtain be?

2. If one of the sides of a square is 5 centimeters, how long are its other sides be? What is the perimeter?

3. If an isosceles triangle was divided into equal halves, what would be the resulting shape of the halves?

4. The length of a rectangle is 4 cm more than the width. If the perimeter is 80 cm, find the length and width of the rectangle.

5. Rolly, Pete and Jeff have a piece of string 45 m long. They will share it equally. How long is the piece of string each will get.

4. Supposing that one week ago was a Wednesday, what day will it be one week from today?

5. Five days ago, George borrowed a book. If the librarian loaned the book for a week, how many days can George still keep the book?

6. Joseph told me that he would arrive on Monday. But he arrived on Monday of the following week. How many days was Joseph delayed?

7. If December 18th is a Saturday, on what day will Christmas be celebrated? What about New Year?

B.

MAY

S	M	T	W	T	F	S
1	2	3	4	5	6	7

8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

1. Draw a square by connecting 7-14-21-20-19-12-5-6-7. Add the numbers at opposite corners of the square. Compare the sums with the number in the middle. How are they related?

2. Draw other squares and see if the same pattern will result.

3. Draw a rectangle with the corners at 9, 12, 26 and 23. Compare the sums of the numbers at opposite corners with the sum of the two numbers in the middle. What do you find?

4. Draw other rectangles and compare the results.

5. Draw a square with 3, 6, 27 and 24 as corners. Add all corner numbers of the square. What do you find? Add all the numbers of the corners of the inside square. What do you find. Form other 4 x 4 squares to find out if you will get the same result.

VI. UNDERSTANDING MULTIPLICATION

A. Ring each group the objects according to what is asked then, fill in the blanks.

1. by sixes	2. by fours	3. by fives	4. by threes
* * * * * * *	# # # # # # #	o o o o o o o	@ @ @ @ @ @ @
* * * * * * *	# # # # # # #	o o o o o o o	@ @ @ @ @ @ @
* * * * * * *	# # # # # # #	o o o o o o o	@ @ @ @ @ @ @
* * * * * * *	# # # # # # #	o o o o o o o	@ @ @ @ @ @ @
* * * * * * * *	# # # #	o o	@ @ @ @

a. 6 x _____ = 12 b. 5 x 3 = _____ c. 3 x 4 = _____ j. 4 x 6 = _____

d. 4 x 5 = _____ e. 3 x _____ = 18 f. _____ x 4 = 8 k. _____ x 7 = 21

g. 6 x _____ = 18 h. 5 x 2 = _____ i. 4 x _____ = 16 l. 6 x _____ = 24

B. Give the correct answer.

1. There are _____ fours in 8.
2. There are _____ sixes in 18.
3. There are _____ eights in 16.
4. There are _____ fives in 15.
5. There are _____ threes in 12.
6. There are _____ fours in 12.

C. Answer what is asked for.

1. six 3s = _____
2. five 4s = _____
3. eight 2s = _____
4. 7 + 7 + 7 + 7 + 7 = _____
5. 6 + 6 + 6 + 6 + 6 + 6 = _____

6. 7	7. 5	8. 11	9. 13	10. 9	11. 12	12. 14
x 2	x 6	x 4	x 6	x 4	x 3	x 2

D. Write >, < or = on the blank.

1. 2 x 3 _____ 4 x 1
2. 5 x 4 _____ 6 x 2
3. 7 + 9 _____ 4 x 4
4. 8 x 3 _____ 7 x 3
5. 3 x 6 _____ 9 x 2
6. 7 x 4 _____ 6 x 5
7. 9 - 2 _____ 3 x 2
8. 5 x 3 _____ 26 - 13
9. 7 x 2 _____ 3 + 3
10. 8 x 2 _____ 4 x 4
11. 19 + 2 _____ 5 x 4
12. 24 - 2 _____ 5 x 5

E. Answer what is asked and write a multiplication and a division sentence for each.

1. How many fours are there in 24? _____ _____

2. How many sixes are there in 18? _____ _____

3. How many nines are there in 54? _____ _____

4. How many sets of 3 are there in a set of 15? _____ _____

5. How many sets of 6 are there in a set of 12? _____ _____

6. How many sets of 4 are there in a set of 16? _____ _____

7. How many sets of 5 are there in a set of 30 ? _____ _____

F. Compare the following by putting <, > or =.

1. 12 ÷ 4 _____ 24 ÷ 8	2. 36 ÷ 6 _____ 18 ÷ 3	3. 24 ÷ 3 _____ 12 ÷ 2
4. 9 ÷ 3 _____ 12 ÷ 2	5. 18 ÷ 2 _____ 16 ÷ 2	6. 12 ÷ 2 _____ 15 ÷ 3
7. 18 ÷ 3 _____ 24 ÷ 6	8. 12 ÷ 4 _____ 14 ÷ 2	9. 28 ÷ 7 _____ 27 ÷ 3

G. Problem solving.

1. I am a number whose product is 12 when multiplied with 3. What number am I?

2. Three vases contains 5 flowers each. How many flowers are there in all?

3. I bought 5 bags of candies with 9 pieces each bag. How many candies did I buy?

4. Maria has 20 apples. She wants to put 5 apples in each box. How many boxes does she need?

5. Mario played 3 games with his classmates. If he won 12 marbles for each game, how many marbles did he win in all?

6. I counted 32 chicken legs in a barn. How many chickens were there?

7. Mother baked 25 cookies for Ella's birthday. How many cookies each will Ella and 4 of her friends get if they share the cookies equally among themselves?

8. I have a secret number. If you subtract 5 from it and then, divide it by 3, you get a 3. What is my secret number?

9. Michael has 36 marbles. He wants to share them equally with his two friends. How many marbles will each boy get?

10. Each cow has 4 legs. If I counted 24 legs in a pasture, how many cows were there?

11. If you add me to 8 and then, divide by 5, you get 2. What number am I?

12. One number is 5. The other is 7. What is the product?

13. What number when multiplied by 9 equals 72?

14. What number when divided by 3 equals 16?

15. If a dozen eggs costs ₱48, how much will 4 eggs cost?

Challenge!!!

1. A swarm of bees were trapped in Sheila's room. Sheila counted 6 groups with 5 bees in each group. How many were originally in her room if 3 were able to get away when she entered the room?

2. A riddle you have to answer to guess my age. I am two times as old as my 4 year old brother. When he will turn 9, how old will I be?

3. Grandma baked some cookies. If she will give 8 cookies each to her grandchildren, she has 2 extra cookies. If she will give each 9 cookies, she lacks four. How many grandchildren has she?

4. Forty-five students and 4 teachers are going on a field trip. If 5 people can ride in a car, how many cars are needed?

5. Peter has ₱30. His friend Mon has two times as much. How much money do they have together? If the materials for their project cost ₱50, how much will be left for each boy if shared equally?

6. There are 12 pigs and chickens in a barn. If there are 32 legs, how many pigs and chickens are there?

7. There are 15 red balls in a box. There are 3 less than twice as many blue balls. How many balls are in the box?

8. There are 36 pupils playing on the playground in groups of 4. How many groups are there?

VII. UNDERSTANDING TIME AND MEASUREMENT BETTER

A. Draw, then, write the time asked for.

1. Big hand at 6 and short hand at 4: _____

2. Big hand at 12 and short hand at 6: _____

3. Big hand at 8 and short hand at 1: _____

4. Big hand at 4 and short hand at 7: _____

5. Big hand at 10 and short hand at 9: _____

B. Give the time when you:

1. go to school : _____ 2. go home : _____

3. eat lunch : _____ 4. eat supper : _____

5. have recess : _____ 6. eat breakfast : _____

C. Problem solving.

1. Mother accompanied Marie to school at 7:00 and returned home at 8:30. How long was mother away?

2. The movie will start at 6:30 and will last for an hour. If you have to go somewhere at 7:00, will it be possible to watch the movie and go to the place after? Why or why not?

3. A hiker started climbing the mountain at 3:00 A.M. and arrived at the top at 5:00 P.M., how long did it take him to climb the mountain.

4. Father has to catch a bus at 7:30. He is still home at 6:45. If it takes 39 minutes to reach the station from home, will he be able to catch his bus?

5. A play started at 3:45 and ended at 5:49. How long was the play?

6. Lily started reviewing for a test at 6:45. She spent 45 minutes in her review. What time did she finish?

D. What will you use to measure each of the following objects? Meter (m), Centimeter (cm) or Kilometer (km)?

1. width of a ruler ___
2. width of a door ____
3. length of a piece of cloth ____
4. distance from Cubao to Baguio ____
5. distance from Ilocos to Manila ____
6. length of a paper ____
7. height of a classmate ____
8. length of a belt ____
9. thickness of a book ____
10. height of a tree ____

E. With the use of a ruler measure the following.

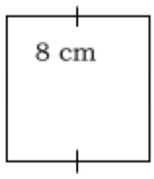
1. book _____
2. ballpen _____
3. your desk _____
4. your chair's height _____
5. blackboard _____
6. teacher's desk _____
7. pencil _____
8. your height _____
9. the width of the door _____
10. paper _____

F. Write <, > or = on the blank.

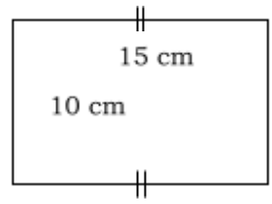
1. 2 m _____ 200 cm
2. 4 km _____ 400 cm
3. 6 m _____ 600 cm
4. 300 cm _____ 30 km
5. 40 km _____ 4 m
6. 70 km _____ 700 m

G. Find the perimeter and area of each of the following figures.

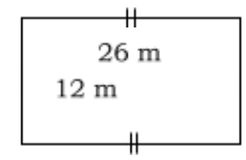
1. _____



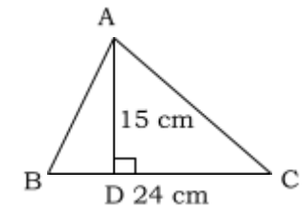
2. _____



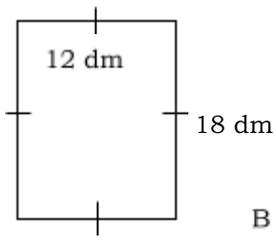
3. _____



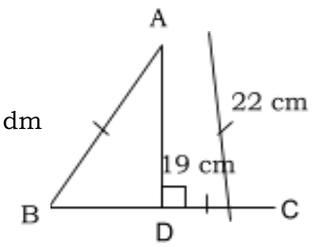
4. _____



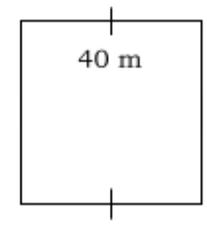
5. _____



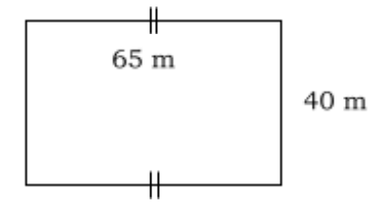
6. _____



7. _____



8. _____



Challenge!!!

A. 1. Rita has a piece of ribbon 3 m long. She cut it into 6 equal pieces. How many cm long is each piece of ribbon?

2. Lucy bought 18 m of cloth for curtains. If each curtain needs 3 meters, how many curtains can she make?

3. Rina was offered a 3 m cloth. The cloth costs ₱45 a meter. Will her ₱150 be enough to buy it? Why or why not?

4. Father said that he will reward you two candies for every 5 weeds you take out from his plants. If you were able to pull out 35 weeds from his garden, how many candies will you get as a reward?

5. You have ₱75. A meter of plastic book cover costs ₱34.50. How many meters of plastic book cover can you buy?

6. Grandfather will build a fence around his vegetable garden. If his garden is 14 m long and 10 m wide, how much fencing materials does he need for it? At ₱43.50 a meter, how much will grandfather spend?

7. Grandfather needs posts for his fence. If the posts are 2 m apart, how many posts does he need?

B. 1. Lina cut 5 melons into 10 pieces each. She sold 20 pieces in the morning and 25 pieces in the afternoon. How many pieces in all did she sell? How many whole melons did she sell? How many pieces remained? What fraction of a melon were the remaining pieces?

2. Nena is making 6 handkerchiefs. Each side of a handkerchief is 2 dm long. a. What is the measure around each handkerchief? b. How many dm of lace does she need for all the handkerchiefs?

3. A story book has 100 pages. Each day, Rose read 6 pages. After 6 days, how many pages has she read? If she wants to finish reading the book in 8 days, how many pages a day must she read?

4. There are 3 numbers. The first number is 7. The second is the odd number next to 7 and the third is the even number just less than 7. Find the sum of the 3 numbers.

5. Ronnie is buying a T-shirt worth ₱105.00. Name some ways he can pay for the T-shirt using any combination of 5-peso coins, 10-peso coins, 20-peso bills and 50-peso bills.