

Summer Review - Gr. 5 Math.

Part A - Numeration

1) Write the place value of the 6.

4 368 250 187 _____

2) Round to the nearest:

a. hundred thousand 482 615 _____

b. million 43 281 571 _____

c. ten thousand 8 462 005 285 _____

3) Write in expanded form

362 050 025 _____

4) Write in words

202 470 643 _____

5) Write in standard form (as a number)

a. two billion forty-seven million six hundred one thousand

b. $600\,000\,000 + 5\,000\,000 + 20\,000 + 400 + 6$

6) Write the number that is:

a. 10 million more than 127 483 651 _____

b. 10 000 less than 300 000 _____

Word Problems

1. Write 2 six digit numbers to that one is exactly ten thousand more than the other

2. I am a 7 digit number. My units is the highest counting digit. My hundreds, ten thousands, and millions are consecutive even numbers. My tens, thousands, and hundred thousands are consecutive odd digits. My hundred thousands is a multiple of 5, and my tens is a factor of all numbers. What number am I?

Part B- Computation of Whole Numbers

1)
$$\begin{array}{r} 3058 \\ -2194 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 31527 \\ + 6842 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 10062 \\ -9953 \\ \hline \end{array}$$

4) $6\ 241 + 37\ 852 + 68\ 253 =$ _____

5) $30\ 421 - 9\ 856 =$ _____

6)
$$\begin{array}{r} 483 \\ \times 9 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 781 \\ \times 45 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 4067 \\ \times 238 \\ \hline \end{array}$$

9) $2\,000 \times 800 = \underline{\hspace{10em}}$

10)
$$6 \overline{)3870}$$

11)
$$8 \overline{)76312}$$

12)
$$75 \overline{)48162}$$

Estimate to solve the following:

1) $29 \times 348 =$ _____

2) $17\,582 - 2\,121 =$ _____

3) $48\,206 + 4\,872 + 9\,146 =$ _____

Problem Solving- Show all of your work!

1) If a yoyo machine can produce 700 yoyos in an hour, how many yoyos can it produce in 380 hours?

GIVEN: _____

FIND: _____

FORMULA: _____

CALCULATIONS:

CONCLUSION: _____

Did you check your work? Is your answer reasonable?

2) It takes 83 hours to assemble one car. How many cars can be completed in 3458 hours?

GIVEN: _____

FIND: _____

FORMULA: _____

CALCULATIONS:

CONCLUSION: _____

Did you check your work? Is your answer reasonable?

3) Mrs. Rocca gave both of her children \$30.00 to spend at Fair Day. The pass for the activities was \$20.00 for each child. Vanessa bought a hot dog and a drink for \$2.50. Alexandra bought popcorn, cotton candy, and a drink for \$6.50. How much change did Mrs. Rocca get back? (two steps)

STEP 1

GIVEN: _____

FIND: _____

FORMULA: _____

CALCULATIONS:

CONCLUSION: _____

STEP 2

GIVEN: _____

FIND: _____

FORMULA: _____

CALCULATIONS:

CONCLUSION: _____

Did you check your work? Is your answer reasonable?

Part C- Measurement and Word Problems

1) Insert the correct metric unit of measurement

a) The height of a teacher's desk- 80 _____

b) The length of the black top- 30 _____

c) The length of this paper- 275 _____

2) Complete the following

a) 45 cm = _____ mm

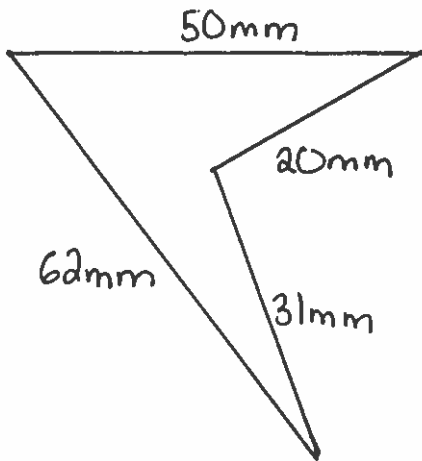
b) 3 m = _____ cm

c) $450 \text{ mm} = \underline{\hspace{2cm}} \text{ m}$

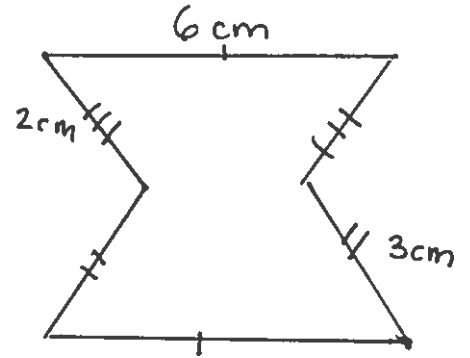
d) $2 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

3) Find the perimeter

a. $P =$

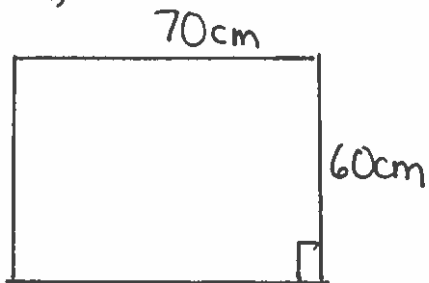


b. $P =$

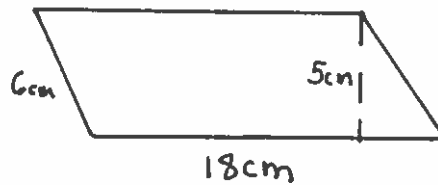


4) Find the area. Show your formula!

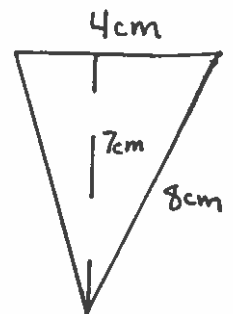
a)



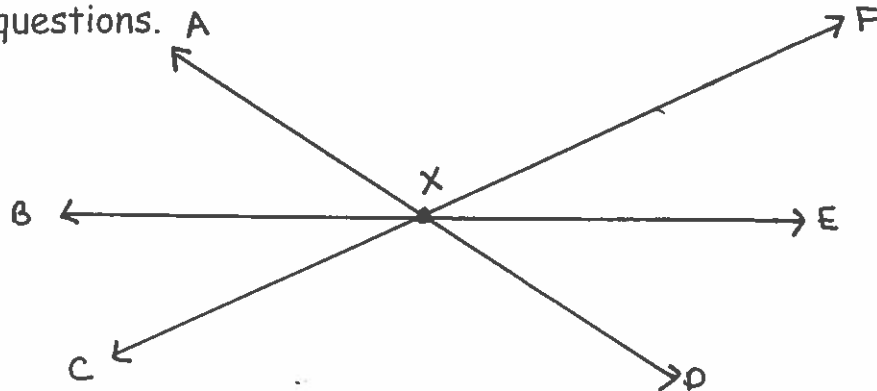
b)



c)



5) Identifying angles and polygons- use the diagram to help you answer the questions.



a) Name 2 acute angles _____

b) Name 2 obtuse angles _____

c) Measure angle AXF and record your answer _____

6) What is a 10- sided polygon called? _____

7) What type of triangle has two sides with equal length? _____

8) What does congruency mean? (2 marks)

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Word Problems (Show your work. A diagram is useful, and if you are doing area, remember to show your formula!)

1) The distance between bases on a baseball diamond is 27m. What is the shortest possible distance a player runs after hitting a home run?

2) Each desk in our class is 60cm long and 45cm wide. If there are 22 desks in the class, what is the total surface area of the desks?

Part D- Decimals

1) Write the number:

a) three hundred five thousandths _____

b) five and two hundredths _____

2) Write in words

58.031 _____

3) Write the place value of the 9

38.098 _____

4) Write an equivalent decimal for the following:

a) 38.010 _____

b) 0.72 _____

5) Complete using $>$, $<$, or $=$

a) 3.07 _____ 3.7

b) 48.6 _____ 48.537

c) 0.38 _____ 0.309

6) Write in order, smallest to largest

48.071 48.7 48.583

7) Round to the nearest:

a) whole number 4.68 _____

b) hundredth 3.723 _____

8) Add or subtract as indicated

a) 4.01
 $+ 3.521$

b) 7.05
 $.528$

c) $0.62 + 9.5 + 0.037$ _____

d) $48.05 - 13.555 =$ _____

9) Multiply or divide as indicated

a)
$$\begin{array}{r} 40.5 \\ \times 8 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 5.6 \\ \times 4.3 \\ \hline \end{array}$$

*no remainders

c)
$$8 \overline{)5.6}$$

d)
$$.48 \overline{).24}$$

Problem Solving

1) A pen cost \$1.35. How much 5 pens cost?

GIVEN: _____

FIND: _____

FORMULA: _____

CALCULATIONS:

CONCLUSION: _____

Did you check your work? Is your answer reasonable

2) A stack of boards is 2.5 metres high. If each board is .005 metres thick, how many boards are there?

GIVEN: _____

FIND: _____

FORMULA: _____

CALCULATIONS:

CONCLUSION: _____

Did you check your work? Is your answer reasonable?

3) Leroy spends \$2.50 on a kazoo. He spends \$0.25 less than that on a yo-yo. He bought a slice of pizza for \$1.50 and juice for half that price. How much money did Leroy have left if he started with \$10.00?

Part E- Fractions

1) Draw a square and shade $\frac{7}{8}$ of it.

2) Find the missing number

a) $\frac{5}{9} = \frac{30}{\quad}$

b) $\frac{11}{15} = \frac{\quad}{150}$

3) Simplify these fractions to lowest terms

a) $\frac{29}{58} =$

b) $\frac{70}{80} =$

c) $\frac{45}{54} =$

4) Change these mixed numbers to improper fractions and vice versa

a) $\frac{13}{4} =$

b) $3\frac{5}{6} =$

c) $2\frac{3}{7} =$

5) Put these fractions in order from smallest to largest

$\frac{3}{5}$ $\frac{4}{5}$ $\frac{1}{5}$ $\frac{5}{5}$

6) Write each answer in lowest terms

a) $\frac{13}{25} + \frac{2}{25} =$

b) $\frac{1}{8} + \frac{5}{8} =$

c) $\frac{6}{11} - \frac{2}{11} =$

d) $\frac{9}{10} - \frac{6}{10} =$

e) $2\frac{3}{8} + 1\frac{1}{8} =$

f) $3\frac{3}{4} - 1\frac{1}{4} =$

g) $\frac{1}{9} + \frac{2}{3} =$

h) $\frac{11}{12} - \frac{3}{4} =$

7) Change the following fractions into decimals

a) $\frac{1}{2} =$

b) $\frac{1}{4}$

8) Change the following decimals into fractions (lowest terms)

a) $0.4 =$

b) $0.55 =$

Challenging Word Problems

1) Uncle Henry was driving to Halifax when he spotted a big green gorilla on the side of the road. He screeched to a stop, and jumped out of his car. He saw the outline of a number on the gorilla. He couldn't quite see the number, but he knew it was a 4 digit number. And:

- a) He remember seeing a number 1
- b) In the hundred's place he remembers the number is 3 times the number in the thousands place.
- c) He said the number in the one's place is 4 times the number in the ten's place.
- d) Finally, he said the number 2 is sitting in the thousands place.

What is the number?

2) Elmer Fudd decided to grow a garden so he could make a salad. He wants to make it 10.1m long and 4.2 m wide. However, in order to avoid Bugs Bunny from entering his garden he must make a fence surrounding the garden. He decides to make the fence 11.2m long and 5.0m wide. What is the area between the fence and the garden?

3) Jenny bought 7 t-shirts, one for each of her seven brothers, for \$9.95 each. The cashier charged her an additional \$13.07 in sales tax. She left the store with a measly \$7.28. How much money did Jenny start with?

4) On an average day, Canadians spend \$958 904.00 buying video games. Of this total \$767 123.00 is spent on Nintendo games. In one week how much do Canadians spend on Nintendo games? How much do they spend on other video games in a week?

5) Farmer Tom put a square fence around his vegetable garden to keep the deer from eating his corn. One side was 10m in length. If the posts were placed 2m apart, how many posts did he use?

6) Do these parallelograms have the same area? How do you know?

7) A man has to be at work by 9:00 a.m. and it takes him 15 minutes to get dressed, 20 minutes to eat and 35 minutes to walk to work. What time should he get up?

8) In the first year of a production a play sells 1572 tickets, in its second year it sells 1753 tickets, in its third year it sells 152 less than its second year. How many tickets are sold in 3 years?

9) The Riddler has left a clue for Batman to follow at the scene of each crime. These are the clues that Batman has found:

- a) There is a 1 in the thousands place
- b) The digit in the tens place is 9 times the digit in the thousands place
- c) Multiply the digit in the thousands place by 2
- d) The digit in the ones place is a hand without a thumb
- e) The digit in the hundreds is 2 less than the number in the tens

Solve the riddle to find the number and help Batman stop the Riddler

10) If every vertex of a regular pentagon is connected to every other vertex, how many triangles are formed?

