Name: _____   Date: _____

Class (circle one): 6A   6B

Please note:

1. This is a diagnostic test covering the Grade 5 mathematics material that we have been reviewing all week.
2. Show ALL your work! No calculators are allowed.
3. This test contains a mixture of numerical problems, word problems, graphing and application/thinking questions. Please read the questions carefully and make sure you answer all sections!
4. When you are finished, please double-check all your answers.

Mark: /   Percent: %   Level: Remedial Needed: Y N

1. Complete the following.   /6

a) 3428   b) 43.09   c) 8765   d) 765.9
    +123   +32.18   -389   -24.3

    e) 3)658   f) 43.2 + 11.67

2) Sr. Maryam wants to buy Raptors tickets for $546. If she saves $9 a month, how many months will it take her to save enough money to buy the tickets?
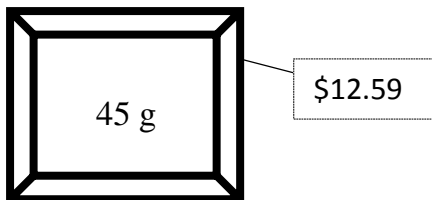
/1

3) a) On Friday, 4398 females and 3450 males visited Wonderland. How many more females than males visited that day?

/1

   b) How many guests in total visited Wonderland on Friday?

/1

4)

$12.59

45 g

   a) Each picture frame weighs 45 g. How much would 11 picture frames weigh in total?

/1

5) Please convert the following: /3

a) 1 m 10 cm = _____ cm

b) $1.75 = _____ quarters   c) 1 hour 18 minutes = _____ minutes

6) Find the perimeter and area of each shape. Please use the units provided.   /6

a)   b)
   5 cm   60 mm

(a square)   5 cm   24 mm

Perimeter: _____   Perimeter: _____
Area: _____   Area: _____

7) a) Find the volume of the rectangular prism.   /3

4 cm

2 cm

6 cm

8) Convert the following improper fractions into mixed numbers: /2

a) $\dfrac{11}{7}$ b) $\dfrac{10}{3}$

9) Convert the mixed numbers into improper fractions   /2

10) Draw a diagram to represent the following fractions. Then, give an equivalent fraction.
                                                                                          /3

$\dfrac{4}{6}$

11) Put the fractions in order from least to greatest.   /2

12) What place value is the underlined digit?   /4

   a)   45.2$\underline{3}$7   b) 34$\underline{5}$,098   c) 0.0$\underline{4}$ d) $\underline{1}$1,987
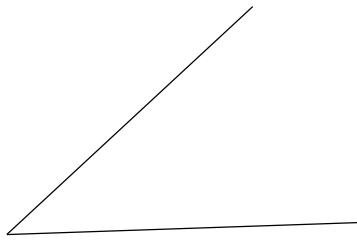
13) a) Round to the nearest hundred.   a) 465   b) 3,245   /2

14) Measure the following angles using a protractor.   /1
a)

15) Draw and label angle ABC, 28°   /2

16) Please draw an isosceles triangle. Please measure and label the sides.   /2

17) Find the mode of the following dataset: /1

32   12   4   16   30   18   16

18) Br. Osman's gym basket has two basketballs, three volleyballs and five soccer balls. If I were to close my eyes and randomly select one, what is the probability that I pick out a volleyball?   /1

19) Please complete the pattern. Write what the pattern is beside it!   /2

3   9   27   81   243   _____   _____   Pattern is _____
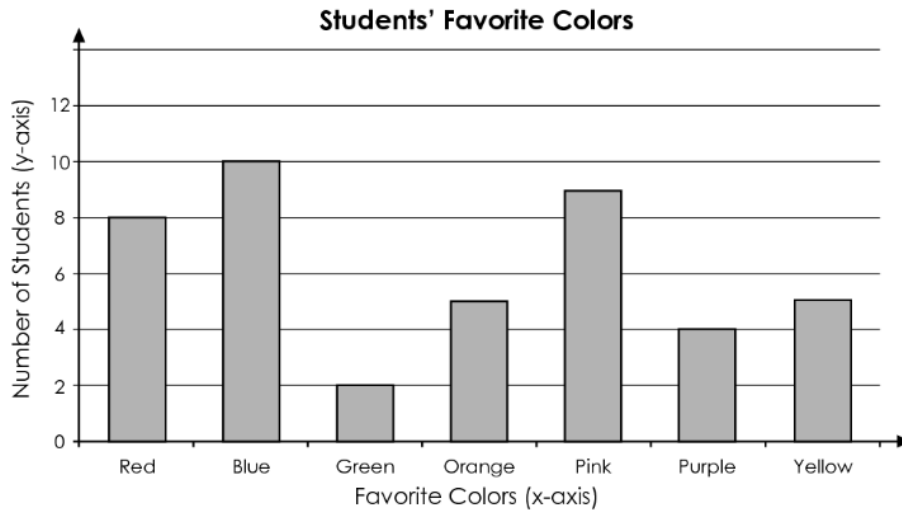
20) Which equation is correct to describe this situation? /1

I have 15 books and 3 of them are about the solar system. How many books are about other topics?

$$15 = N - 3 \quad \text{or} \quad N = 15\text{-}3$$

21) Examine the bar graph, then answer the two questions. /2

Students' Favorite Colors

1. How many students chose blue as their favorite color?   1. _____

2. How many more students chose red than green?   2. _____

22) Please translate (slide) this image two to the left and one below. /4

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