Icahn 6

4th Grade

Math Packet

1) There are three different sections to sit in at a baseball park. The number of people who can sit in each section is described below.

- red section seats 200 people
- blue section seats 20 fewer people than the red section
- green section seats 2 times as many people as the blue section

What is the total number of people who can sit in the baseball park?

ANSWER:_____

2) A teacher buys the folders listed below.

- 5 boxes of red folders with 36 folders in each box
- 6 boxes of blue folders with 32 folders in each box

What is the total number of red and blue folders that the teacher buys?

ANSWER:_____

3) Mr. Fuller wants to put fencing around his rectangular-shaped yard. The width of the yard is 55 feet and the length is 75 feet. How many feet of fencing does Mr. Fuller need?

ANSWER: _____

4) A truck is parked next to a tree. The height of the truck is feet. The height of the tree is times the height of the truck. Which equation can be used to find the height of the tree?

ANSWER:_____

5) Use each digit shown below to create a 5-digit number with the greatest value and a 5-digit number with the least value. Each digit can only be used once in each number. Then write a number sentence using or to compare the two numbers you created.

   2, 9, 1, 3, 8
   Show your work.

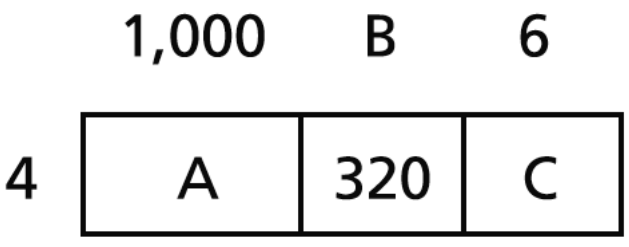
   ANSWER:_____

6) Ms. Peterson wants to replace all the floor tiles in her kitchen. The kitchen floor is 12 feet long and 7 feet wide. If Ms. Peterson already has 45 one-foot square tiles, how many more one-foot square tiles does she need to completely cover the kitchen floor?

   Show your work.

ANSWER:_____

7) The height of Mountain P is 1,086 feet. The height of Mountain Q is 4 times the height of Mountain P. The area model shown below represents one way to find the height of Mountain Q.



What are the missing values for A, B, and C in the area model?

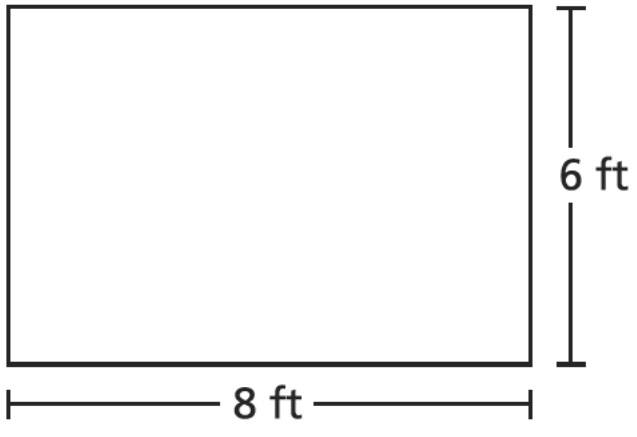
Show your work.

ANSWER:_____

8) Jean Threw a softball a distance of 9 feet. Lee threw a softball 3 times as far as Jean. Which equation can be used to determine the distance, d, that Lee threw the ball?

ANSWER: _____

9) Megan's art class painted two rectangular murals. The size of the first mural is shown below.



The second mural had the same area as the first mural but had a different perimeter. Which measures could be the side lengths of the second mural?

ANSWER:_____

10) Jack picks 60 apples from an apple tree. He uses 12 of them to make applesauce. He places the remaining apples equally into 6 gift baskets. Which equation can be used to determine the number of apples, *a,* that Jack places into each gift basket?

ANSWER:_____

11) Carl used some fabric to make a seat cover. Then he used 8 times as much fabric to make a tent. He used 24 yards of fabric to make the tent. Which equation can be used to determine the amount of fabric he used to make the seat cover?

ANSWER: _____

12) The workers at Cameron's Flower Shop are putting 1,323 flowers into vases for a party. Each vase must hold exactly 8 flowers. What is the total number of vases the workers can fill completely?

ANSWER: _____

13) Cindy recycled 54 pounds of paper, She recycled 9 times as many pounds of paper as Monica. Write an equation that can be used to find m, the number of pounds of paper Monica recycled. Then solve the equation to find the number of pounds of paper Monica recycled.

ANSWER:_____

14) A teacher buys 8 packs of orange erasers and 6 packs of blue erasers for his classroom. There are 24 orange erasers in a pack and 28 blue erasers in a pack. What is the total number of erasers the teacher buys for his classroom?

ANSWER: _____

15) Some bakers make apple pies.

- They have 15 boxes of apples.
- Each box has 18 apples.
- They use 7 apples for each pie.

What is the total number of apple pies that the bakers can make?

ANSWER: _____

16) A baseball cap costs $8. A matching short costs 4 times as much as the cap. Which of the following can be used to determine the cost of the shirt?

ANSWER: _____

17) Dawn needs to fix windows in her house. She must buy 3 feet of wood, which costs $7 per foot. She also needs to buy 4 pieces of glass. Each piece of glass costs $23. What will be the total?

ANSWER: _____

18) A team of volunteers collected a total of $5,144 selling T-shirts at a charity concert. Each T-shirt was sold for $8. What was the total number of T-shirts the volunteers sold?

ANSWER: _____

19) The area of a rectangular doghouse floor is 15 square feet. The length of the floor is five feet what is the perimeter of the floor of the dog house?

ANSWER: _____

20) Reggie read a 400-page book in 5 days. On the first day, he read 120 pages each day after that, he read the same number of pages p.

Write an equation that can be used to determine the number of pages p, read each day after the first day.

ANSWER:_____

Using your equation, determine the number of pages Reggie read each day after the first day.

SHOW YOUR WORK