RAM WORKSHOP 4th Grade

Name _____

MATHLETE Challenge 1

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1. Three friends and I put dimes in a piggy bank. After the 4 of us put in equal numbers of dimes, I had 3 dimes left over. I put those in the piggy bank too. The total number of dimes we put in the bank could have been

A. 23 B. 24 C. 25 D. 26

2. Each of the following is divisible by 6 except

A. 3366 B. 4422 C. 6630 D. 6633

3. The smallest whole number divisible by both 8 and 12 is

A. 4 B. 16 C. 24 D. 48

4. The product of 2005 and any odd number is always

A. 2005 B. even C. odd D. prime

5. The product of 2 different whole number is 7. Their sum is

A. 6 B. 7 C. 8 D. 14

6. When I look at our alphabet, I see that the letter _?_ has four times as many letters before it as after it.

A. E B. G C. T D. U

7. I have 22 cents. If I double the number of nickels I have, I would then have 37 cents. Exactly how many nickels do I have?

A. 3 B. 4 C. 5 D. 6

8. Lee, Pat, and Sam bought ice pops. Lee bought 3 times as many as Pat. Sam bought twice as many as Lee. If Sam bought 18 ice pops, how many did Pat buy?

A. 1 B. 3 C. 6 D. 9

9. Along a straight road, an ice cream vendor is 2 km from the bus and 5 km from the train. The least possible distance between the bus and the train is

A. 3 km B. 5 km C. 7 km D. 10 km

10. My giant sunflower doubles its size every day. On Saturday, it is ? times as big as it was on the preceding Sunday.

A. 2 B. 6 C. 49 D. 64

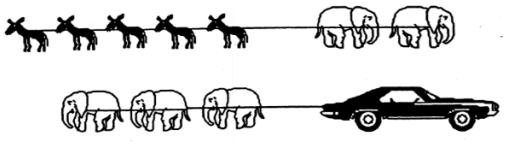
11. A number has 4 digits. No digits in the number are repeated. The digit in the tens place is three times the digit in the thousands place. The number is odd. The sum of the digits in the number is 27. What is the number?

12. Teresa has 4 flower pots in 4 different designs.

She likes to display her flower pots in different positions on her window sill. How many different ways can she place her flower pots?

Answer:_____ways

13. In a tug of war, 5 donkeys are exactly equal to 2 elephants. In another tug of war, 3 elephants are equal to 1 car. Which team should win if a car and 3 donkeys are matched against 4 elephants?



A. A car and 3 donkeys B. Four elephants C. Unknown

14. Thomas is playing tic-tac-toe with a computer. It is the computer's turn to place and "X" on the board. If the computer makes its moves at random in the open spaces, what is the chance it will win on this move?

A. 0 B. $\frac{1}{3}$ C. $\frac{2}{3}$ D. 1

Take a picture of the completed worksheet and email it to RAMHoustonReg@gmail.com or text it to 832-898-3959 by **April 11th, 2020**, and you will receive points to exchange for prizes from us!

Solutions will be posted online on April 12th, 2020.