



Spirit of Math[®]

s c h o o l s

February 2016

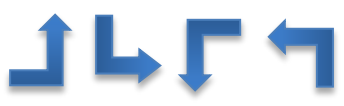




Grade Three Mathematics Contest

Please observe the following instructions:

- 1) You have 45 minutes to write the contest.
- 2) The contest is multiple-choice with four choices for each question. Write the *CAPITAL* letter of the answer you choose on the line to the right of each question.
- 3) Each question answered correctly is worth one mark, and the sum of the correct answers is the score.
- 4) Marks are not taken off for wrong answers.
- 5) No calculators are allowed.

Student Name: _____

Score: / 30

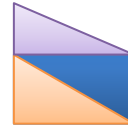
- 1) $4 + 13 + 2 + 16 + 7 + 8 =$
 A) 20 B) 30 C) 40 D) 50 _____
- 2) Find the next 2 terms in this sequence: 45, 41, 37, 33, ____, ____
 A) 29, 25 B) 30, 24 C) 39, 14 D) 45, 10 _____
- 3) What is the difference of the number of sides of an octagon and the number of sides of a pentagon?
 A) 3 B) 4 C) 5 D) 6 _____
- 4) $8 \times 9 \div 4 \div 3 \div 2 \div 3 =$
 A) 1 B) 2 C) 3 D) 10 _____
- 5) A palindrome is a number or a word that reads the same backward and forward. How many palindromes are there between the numbers 10 to 30?
 A) 1 B) 2 C) 3 D) 4 _____
- 6) There were 10 Canada geese flying through the sky. All but 4 decided to land on a field. How many geese kept flying?
 A) 0 B) 4 C) 10 D) 20 _____
- 7) The number 2016 is divisible by:
 A) 100 B) 10 C) 5 D) 3 _____
- 8) What is $2! \times 3!$ equal to? (Hint: $4! = 4 \times 3 \times 2 \times 1$)
 A) 36 B) 20 C) 12 D) 1 _____
- 9) Freeda invited 4 friends to her house. How many handshakes were there if everyone, including Freeda, shook hands with each other once?
 A) 4 B) 5 C) 9 D) 10 _____
- 10) Continue the pattern. What will come next?

 A)  B)  C)  D)  _____
- 11) There is a hexagon and a triangle. One of them does not have 3 sides. What is the other one?
 A) Triangle B) Hexagon C) Pentagon D) Circle _____
- 12) Sally counted 23 seashells when she was at the seashore. She counted 16 that were blue and 12 that were yellow. How many seashells did Sally count that were both colours?
 A) 5 B) 7 C) 11 D) 28 _____
- 13) The sum of the factors of 12 is:
 A) 12 B) 15 C) 24 D) 28 _____



- 14) Mrs. Lovemath's grandfather clock took 32 seconds to strike 9 o'clock. How long does her clock take to strike 5 o'clock?
 A) 16 seconds B) 25 seconds C) 40 seconds D) 45 seconds

- 15) The number 9 is a perfect square, because 9 little squares can be arranged into a larger square with the same number of squares in the rows and columns. Which of the following numbers could also form a perfect square?
 A) 19 B) 15 C) 11 D) 4

- 16) Deepti was admiring a picture at an abstract art show:
 If the picture is rotated clockwise until it is upside down, what would it look like?



- A) B) C) D)

- 17) Sammy scored 17, 12, 21, 18, and 22 on her drill. What was her average?
 A) 10 B) 18 C) 45 D) 90

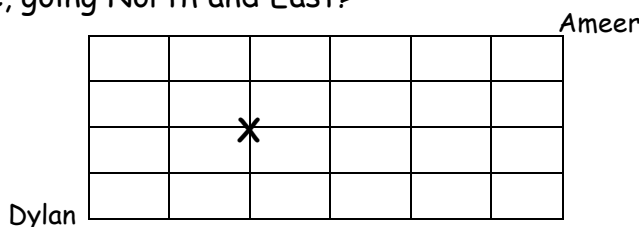
- 18) Sydney visited a pond and counted a dozen goldfish, two dozen catfish, and two less than a dozen dogfish. How many fish did she count in total?
 A) 12 B) 24 C) 36 D) 46



- 19) At the Two Directions concert, Alex was 1 place in front of 4 places behind the 3rd person in line. How many people were **in front of** Alex in the line?
 A) 4 B) 5 C) 6 D) 8

- 20) Mill the millionaire bought a book called *How to Save Money*. If Mill started on the top of page 15 and finished reading at the bottom of page 78, how many pages did he read?
 A) 63 B) 64 C) 78 D) 93

- 21) On a warm summer day, Dylan stopped for a slushie on his way to Ameer's house. How many different paths can he take from the Slushie Stop (where the X is) to Ameer's house, going North and East?



- A) 6 B) 15 C) 21 D) 215

- 22) Alyssa's dance recital is 4 days after 3 days before tomorrow. Ashley's piano recital is 3 days before 5 days after yesterday. If today is June 13, who has their recital first?



- A) Alyssa B) Ashley C) Both on the same day D) Impossible to tell



