



Spirit of Math[®]

s c h o o l s

February 2015

Grade Three Mathematics Contest

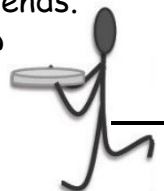
Please observe the following instructions:

- 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) $12 + 3 + 6 + 7 + 8 + 14 =$
 A) 50 B) 60 C) 70 D) 80 _____
- 2) Joshua loves to knit! He made a blue monster and a green monster. He gave Joanna the one that is not green, leaving Joshua with the _____ monster.
 A) Green B) Blue C) Neither D) Both _____
- 3) Ten movies were playing at the movie theatre. All but 7 of them were in 3-D. How many of them were not in 3-D?
 A) 3 B) 7 C) 10 D) 17 _____
- 4) $3 \times 5 \times 0 \times 2 =$
 A) 0 B) 15 C) 30 D) 45 _____
- 5) Order these numbers from least to greatest: -17, -23, -10, 17
 A) -23, -17, 17, -10 B) 17, -10, -17, -23 C) -17, -10, -23, 17 D) -23, -17, -10, 17 _____
- 6) 1 quarter + 5 dimes + 5 nickels = _____ cents
 A) 11 B) 40 C) 75 D) 100 _____
- 7) Jody had a big submarine sandwich that she wanted to share with 5 of her friends. How many parallel cuts would she have to make to give everybody a fair piece?
 A) 4 B) 5 C) 6 D) 7 _____
- 8) It was a wacky day in Weatherville! When Wandy woke up the weather was 14 degrees and it rose 9 more degrees. It then jumped another 12 degrees before it dropped 4 degrees at noon. What temperature was it at noon?
 A) 21 degrees B) 31 degrees C) 41 degrees D) 51 degrees _____
- 9) $2 \times 2 \times 5 \times 5 \times 2 \times 5 =$
 A) 30 B) 50 C) 1 000 D) 10 000 _____
- 10) Thomas has a laundry basket full of socks. There are 36 socks that are yellow, a dozen socks that are purple, and 2 dozen socks that are orange. How many socks are there in Thomas' laundry basket?
 A) 5 B) 6 C) 72 D) 80 _____
- 11) Nine dogs ate an average of 9 treats each. Seven cats ate an average of 12 treats each. How many more treats, on average, did the cats eat over the dogs?
 A) 3 B) 9 C) 12 D) 84 _____
- 12) $14^2 + 13^2 + \sqrt{225} =$
 A) 42 B) 72 C) 380 D) 452 _____



- 13) James and his uncle are going to build a go-kart! To travel to his uncle's house, he can only travel south (down) and east (right) on a 3×4 grid. How many different pathways can he take?
 A) 30 B) 35 C) 40 D) 42 _____
- 14) $8 \div 5 \times 3 \times 5 \div 2 \div 4 =$
 A) 3 B) 5 C) 9 D) 15 _____
- 15) Sammy's soccer game is 5 days before 1 week after 3 days before the day before June 7th. When is Sammy's soccer game?
 A) June 1st B) June 5th C) June 7th D) June 12th _____
- 16) Which of the palindromes below is also a prime number?
 A) 99 B) 77 C) 33 D) 11 _____
- 17) Jaya had \$24.68 in her savings account. Jaya wanted to buy a game for her brother for his birthday. Her mother gave her \$19.49 to spend on the game. If the game was \$21.78, how much does Jaya have to use from her savings to buy her brother the game?
 A) \$2.29 B) \$12.39 C) \$21.78 D) \$23.39 _____
- 18) $24 + 25 + 26 + 27 = 14 + 15 + 16 + 17 + \underline{\hspace{1cm}}$
 A) 10 B) 20 C) 30 D) 40 _____
- 19) Max's school starts at 9:00 a.m. On Monday he had an appointment and he arrived at school 84 minutes late. What time did Max arrive at school that day?
 A) 9:44 a.m. B) 10:00 a.m. C) 10:24 a.m. D) 10:44 a.m. _____
- 20) Twelve students high-fived each other after getting an average of 40 on their drill. If each student high fived each other once, how many high-fives were made in total?
 A) 12 B) 24 C) 66 D) 144 _____
- 21) (The # of primes less than 10) \times (the # of composites less than 10)
 A) 8 B) 10 C) 16 D) 20 _____
- 22) At the candy store there is a bin full of Skipples. In the bin there are 55 red ones, 61 yellow ones, and 49 purple ones. What is the least number of Skipples you would need to take out in order to make sure you have removed at least one red Skipple?
 A) 4 B) 16 C) 111 D) 130 _____



23) To prepare for the 2015 SMS Contest, Elizabeth worked through her contest prep book. She practiced 3 pages on the first day, 5 pages on the next day and 11 pages on the third day. If she started on the top of page 25 and worked through the pages in order, on what page did she finish?
 A) 44 B) 43 C) 42 D) 19 _____

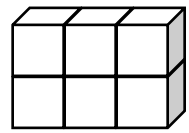
24) The number of sides in a square times the number of sides in a hexagon divided by the number of sides in a triangle equals _____
 A) 4 B) 6 C) 8 D) 10 _____

25) 100 people went to the annual winter fair. At the fair everyone participated in at least one activity. Fifty-nine people built snowmen, 7 people built snowmen and got into a snowball fight. How many people only had a snowball fight at the winter fair?
 A) 41 B) 52 C) 56 D) 78 _____

26) $5! - 4! =$ _____ (Hint: $10! = 10 \times 9 \times 8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1$)
 A) 1 B) 5 C) 24 D) 96 _____

27) 916 755 is divisible by
 A) 3 B) 4 C) 9 D) 10 _____

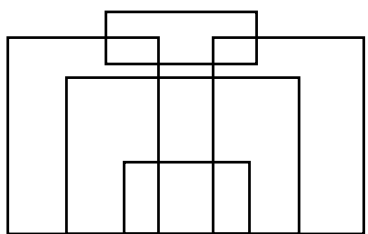
28) Josephine glued 6 large cubes together, as shown. She then decided to paint her structure of cubes. If one bucket of paint could cover two squares faces, how many buckets of paint would Josephine need?
 A) 6 B) 11 C) 12 D) 22 _____



29) At Sarah's birthday party, her cake was cut into 15 pieces. Her friends ate $\frac{2}{3}$ of her cake. How many pieces did they eat?
 A) 2 B) 5 C) 10 D) 13 _____



30) How many rectangles are there in the shape to the right?



A) 10 B) 17 C) 21 D) 35 _____

