



Spirit of Math

s c h o o l s

2007

Grade Three Mathematics Competition

Please observe the following instructions:

- 1) You have 45 minutes to write the competition.
- 2) The contest is multiple-choice with four choices for each question. Write the 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) What is the product of 10 and 9?

- a) 5 b) 19 c) 90 d) 109

2) The month with the fewest number of days is:

- a) January b) February c) June d) July



3) How many faces are there on every cube?

- a) 6 b) 8 c) 9 d) 14



4) $5 \times 2 \times 0 \times 2 \times 5 \times 2 =$

- a) 0 b) 10 c) 20 d) 200

5) At the Harried Hair Salon, 15 customers were getting their hair cut and 20 were getting perms. If there was a total of 32 customers in the salon, how many were getting **both** a haircut and a perm?

- a) 15 b) 9 c) 5 d) 3

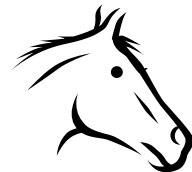
6) What is the approximate thickness of a dime?

- a) 1 km b) 1 m c) 1 mm d) 1 dam



7) Happy Horse began reading his book, *How to Run Fast*, at the top of page 16. He read to the bottom of page 65. How many pages did Happy Horse read?

- a) 16 b) 48 c) 50 d) 65



8) Mr. Monkey loves bananas! He picked 2 dozen bananas and ate all but 21 of them. How many bananas did Mr. Monkey eat?

- a) 3 b) 5 c) 7 d) 19




9) Which of these has more sides than a pentagon?

- a) octagon b) quadrilateral c) square d) triangle

10) Which of the following is **not** a unit of measurement?

- a) grams b) metres c) litres d) tines

- 11) $1 \times (3 + 5) \times 4 =$
a) 13 b) 23 c) 32 d) 36
- 12) Which of the following numbers is the smallest?
a) 5 b) -15 c) -15.5 d) 0
- 13) Jeremy practised playing the violin for 2 hours every day in March. If he started practising on March 1st, how many hours did he practise in March?
a) 62 b) 60 c) 30 d) 2
- 14) Farmer Frank's cows keep getting loose. He must put up a new fence around the pasture. Which of the following is the best measurement to determine how much fencing he will need?
a) volume b) mass c) perimeter d) area
- 15) How many whole numbers are less than 10?
a) 10 b) 9 c) 1 d) 0
- 16) Ram and Lam, twin brothers, have a big cheese stick. They want to share it with 17 friends. How many parallel cuts should they make so that everyone has a piece?
a) 21 b) 18 c) 17 d) 10
- 17) $(19 \times 100) + (19 \times 10) + (9 \times 10) + (1 \times 1) =$
a) 2201 b) 2181 c) 2102 d) 2101
- 18) What is the fifth prime number?
a) 7 b) 11 c) 13 d) 9
- 19)  Tom and Jerry went to the cinema at 2:30 pm. Tom's mother picked them up at 4:10 pm. How long were they at the cinema?
a) 2 hours b) 1 hr 40mins c) 1 hr 50mins d) 40mins
- 20) Twice 111 plus thrice 4 is:
a) 115 b) 123 c) 201 d) 234
- 21) If you have two nickels and two dimes, how much more money do you need so that you have an amount equal to two quarters?
a) 0¢ b) 10¢ c) 20¢ d) 50¢
- 22) Judy went to the World Series with her father 6 days before 3 days after one week before her tooth fell out. If her tooth fell out on June 12, when did Judy go to the World Series?
a) June 2nd b) June 6th c) June 8th d) June 22nd



- 23) On your first three drills you averaged 26 out of 40. What do you need to get on your next drill to raise your average to 28 out of 40?

a) 34 b) 31 c) 28 d) 27

- 24) If all the lockers at your school are numbered consecutively by 2's from 4 to 60, how many lockers are there in all?

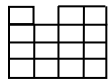
a) 60 b) 54 c) 29 d) 27



- 25) The sum of the factors of 18 is:

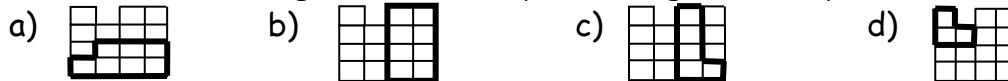
a) 0 b) 18 c) 39 d) 50

- 26) Milly drew the following diagram:



She wants to cut it into two pieces so that she can give one piece to her parents and one piece to her grandparents. The only problem is that the two pieces have to be the same shape (although they can be different sizes).

Which of these diagrams cuts Milly's drawing into two pieces of the same shape?



- 27) Marty wrote a long, colourful letter to his pen pal. On Monday, he wrote 13 full pages in blue ink and on Tuesday he wrote 9 full pages in red ink. He then numbered all the pages, starting with page 1. Which page numbers were written in red ink?

a) 1 - 13 b) 13 - 22 c) 14 - 22 d) 14 - 24



- 28) What is the next term in the sequence 0, 2, 2, 4, 6, 10, ...

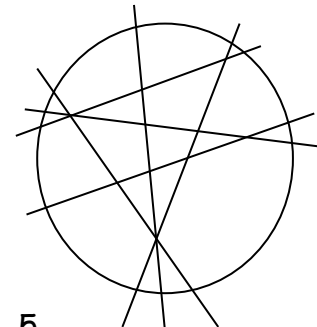
a) 20 b) 16 c) 14 d) 12

- 29) Samar's clock takes 40 seconds to strike 9 o'clock. How long does her clock take to strike 5 o'clock?



a) 5 seconds b) 20 seconds c) 22 seconds d) 25 seconds

- 30) How many triangles of all sizes are in this diagram?



a) 21 b) 14 c) 8 d) 5