Spirit of Math schools

2006
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: _____

Day School Grade: _____

Score: / 30

1) 16 + 16 + 16 + 16 + 24 + 24 + 24 + 24 =

a) 130 b) 140 c) 150 d) 160

2) Sheena is twice as old as Vera. If Vera is 7 years old, how old is Sheena?

a) 6 b) 7 c) 14 d) 16

3) At Harold's Hot Dog Hut, one giant hot dog is shared between 5 kids. How many cuts will Harold have to make so that everyone gets a piece?

a) 3 b) 4 c) 5 d) 6

4) Which of these numbers is greater than 9 and less than 13?

a) 7 b) 8 c) 12 d) 15

5) The Riley brothers went picking blueberries. Ryan picked 157 berries, Rex picked 238 berries and Ron picked 92 berries. Altogether, they picked approximately _____ berries.

a) 400 b) 500 c) 600 d) 700

6) Twenty six crows were sitting on a beam
All but 12 flew away,
Leaving only _____.

a) 10 b) 12 c) 14 d) 26

7) Seventeen Sporty Scouts used their scooters to get to the skating park. All but 8 did not skate over the jump. How many sporty scouts skated over the jump?

a) 25 b) 17 c) 9 d) 8

8) On Monday, there were 10 dogs in the kennel. Six ran away on Tuesday, 3 of them came back on Wednesday and 1 ran away on Thursday. How many dogs were in the kennel on Friday?

a) 4 b) 6 c) 9 d) 17

9) Matt's average on two drills was 15. What will he have to get on his third drill to raise his average to 16?

a) 15 b) 16 c) 18 d) 21

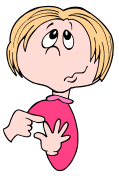
10) There are 24 students in Ms. Take's Grade 3 class. 14 of the students like drills and 20 like POWs. Some like both. How many students like drills only?

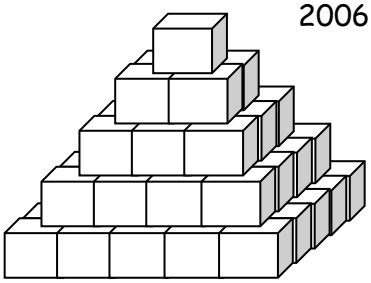
a) 16 b) 14 c) 8 d) 4

11) What is the next fraction in the pattern $\frac{2}{3}, \frac{4}{6}, \frac{8}{12}, \frac{16}{24}, \frac{32}{48}, \ldots$

a) $\frac{64}{96}$ b) $\frac{128}{96}$ c) $\frac{66}{72}$ d) $\frac{34}{50}$

12) How many blocks are in this diagram?



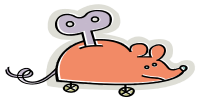


a) 50 b) 28 c) 55 d) 27

13) Paloma decided to paint all of the prime numbers between 0 and 100 on her bedroom wall. What will be the fifth number that Paloma paints?

a) 11 b) 9 c) 7 d) 5

14) Mickey was reading, "Mr. Mouse". He started reading at the top of page 19 and read 30 pages. On what page did Mickey finish reading?



a) 46 b) 47 c) 48 d) 49

15) Tim and June sold dandelions for 1¢ each. If they made $9, how many dandelions did they sell?

a) 9 b) 90 c) 900 d) 9000

16) There are 24 buildings on the street. New number signs are made for each of the buildings using numbers from 1 to 24. How many times will a 2 be used in the new signs?

a) 10 b) 8 c) 5 d) 4

17) Four books are placed side-by-side on a table. The red (R) book is not beside the blue (B) or yellow (Y). The blue book is to the right of the green (G) book. The yellow book is beside only one other book. What is the proper order of the books?

a) RBYG b) YBGR c) RGBY d) RGYB

18) Isaac is thinking of a number between 80 and 100. His number is divisible by 3, 6 and 9. What is his number?

a) 88 b) 90 c) 97 d) 99

19) Two numbers have a sum of 10 and a difference of 2. What is the larger of the two numbers?

a) 6 b) 7 c) 8 d) 9

20) Vern bought 4 apples and Dan bought 3 apples. They paid $14. How much money did Vern pay for his apples?

a) $2 b) $8 c) $6 d) $12

21) Adam gave $\frac{1}{4}$ of his marbles for a race car. He gave eight marbles. How many marbles did Adam start with?

a) 4 b) 16 c) 24 d) 32

22) Mark and his friends went out to play badminton at 3:45pm. They had to be home for supper at 5:30pm. How long did they get to play badminton?

a) 2 hours, 30 min. b) 2 hour

c) 1 hours, 45 min. d) 1 hour, 30 min.

23) Tia started at her house and drove 3 km to the first bus stop. She then drove 2 km to the second bus stop and 7 km to the last bus stop. How many km did Tia travel from the first bus stop to the last bus stop?

a) 4 b) 7 c) 9 d) 13

24)  Mo bought 2 ½ metres of ribbon. He needed pieces that were ½ metre. How many ½ metre pieces would he get from his ribbon?

a) 2 b) 4 c) 5 d) 8

25) Order these fractions from least to greatest: $\frac{5}{16}, \frac{8}{16}, \frac{6}{16}, \frac{3}{16}$

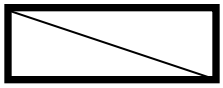
a) $\frac{8}{16}, \frac{5}{16}, \frac{3}{16}, \frac{6}{16}$ b) $\frac{5}{16}, \frac{8}{16}, \frac{6}{16}, \frac{3}{16}$ c) $\frac{3}{16}, \frac{5}{16}, \frac{6}{16}, \frac{8}{16}$ d) $\frac{8}{16}, \frac{5}{16}, \frac{6}{16}, \frac{3}{16}$

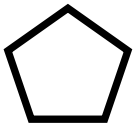
26) A box full of oranges weighs 11 kg and the oranges alone weigh 10 kg. How much does the empty box weigh?

a) 1 kg b) 10 kg c) 15 kg d) 20 kg

27) Joe conducted an underwater research one week after 5 days before 3 days after Coe's birthday. If Coe's birthday is April 26th what day did Joe conduct his research?

a) Apr.25th b) Apr. 31st c) May 1st d) May 3rd

28) A rectangle can be made up of 2 triangles. 

What is the smallest number of triangles needed to make a pentagon? 

a) 5 b) 4 c) 3 d) 2

29) Alan's Automobiles was selling out their cars and motorcycles. He had a total of 15 vehicles and 42 wheels. How many motorcycles did Alan have?

a) 7 b) 9 c) 16 d) 21

30) Four friends share a pile of coins so they each have the same amount of money. If one has only quarters, one has only dimes, one has only nickels and the other has only pennies, what is the fewest number of coins they could have all together?

a) 33 b) 42 c) 54 d) 67