

5 POINTS

1. Three French baguettes cost \$10 and two identical doughnuts cost \$5. How much money will Jim receive in change after paying for 6 French baguettes and 3 doughnuts with two twenty-dollar bills?
 A. \$5.00 B. \$2.50 C. \$15.25 D. \$13.50 E. \$12.50

2. Gunner has 76 candy bars. Alexander has 38 candy bars. Wally has no candy bar. If Gunner and Alex each give half of their candy bars to Wally, how many candy bars will Wally have?
 A. 114 B. 19 C. 38 D. 57 E. 76

3. Peter was reading a book. On the first day he read 21 pages, on the second day he read twice as many pages as the first day. On the third day, he read 13 pages less than on the second day. How many total pages did he read in three days?
 A. 23 B. 92 C. 42 D. 63 E. 68

4. Ron opens his math book to pages 2 and 3. He multiplies the page number on the left by the page number on the right, and he found that the product is 6. He then turns to a new page and multiplies the page number on the left by the page number on the right. The product this time is 72. What are the page numbers?
 A. 7 and 8 B. 8 and 9 C. 7 and 9 D. 7 and 2 E. 9 and 7

5. Maria wrote a number 3102. Then she wrote this number backwards. What is the difference between the first and the second number?
 A. 1,086 B. 1,099 C. 1,088 D. 1,098 E. 1,089

6. Sally multiplies the ages (in years) of her two youngest cousins. The product is 32. If one of the cousin is half as old as the other, what is the age (in years) of the younger cousin?
 A. 8 B. 12 C. 4 D. 6 E. 2

7.  During Summer holidays Alex was going fishing 19 times. In June, he went fishing 4 times. In July, he went fishing two and half times as he did in June. How many times did Alex go fishing in August?
 A. 5 B. 10 C. 14 D. 15 E. 0

8. Grandma Gummy Bear made 132 pints of gummy berry juice. For breakfast, Gummy Bears used 18 pints of juice. For dinner, to fight back Goblins, they used twice as much juice as for breakfast. How much gummy berry juice is left?
 A. 78 pints B. 54 pints C. 114 pints D. 96 pints E. 36 pints

7 POINTS

9.  The crew are planting 18 trees in a park. The trees are to be planted in a straight line at equal distances apart. If the first tree and the sixth tree is 10 yards apart, what is the distance covered by the 18 trees?
 A. 34 B. 35 C. 36 D. 54 E. 180

10. Sequoia tree trunk has the length of 297 feet. In one minute, lumberjack Pete can cut a piece of 3 feet long. How long will it take him to cut the whole tree trunk into pieces of 3 feet long?
 A. 100 min B. 98 min C. 99 min D. 101 min E. 97 min

11. Auntie Josie made 60 pounds of pickles for winter and put them in jars. From that time until right after Thanksgiving holiday, our family used 14 jars of 2 pounds of pickles. How many jars of pickles is left, if each jar holds identical amount of pickles?
 A. 32 B. 8 C. 16 D. 20 E. 46

12. The total length of a copper wire and 6 silver wires is 71 inches. The copper wire is 8 inches longer than each silver wire. What is the length of the copper wire?
 A. 27 inches B. 21 inches C. 9 inches D. 19 inches E. 17 inches

13.  To build 2 identical houses, a company needs 120 square feet of plywood. How many square feet of plywood does the company need to build 7 such houses?
 A. 360 ft² B. 60 ft² C. 420 ft² D. 840 ft² E. 240 ft²

14. In a sudoku, the numbers 1, 2, 3, 4 can occur only once in each column and once in each row. In the mathematical sudoku on the right, Donovan first writes in the results of the calculations. Then he completes the sudoku. Which number will Donovan put in the grey cell?

1 + 0		12 ÷ 4	
2 + 2	9 - 6		9 ÷ 9
12 - 9	3 + 1	9 - 8	
	1 x 1		

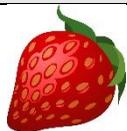
 A. 1 B. 2 C. 3 D. 4 E. Not possible

15. Pirate Joe found a treasure of 950 golden coins. He put 157 coins in his hat, 219 in his pocket, 73 in his shirt, 125 in his right boot, and 65 in his left hand. How many coins does he need to pack somewhere else to be able to carry the whole treasure?
 A. 639 B. 413 C. 376 D. 311 E. 615

10 POINTS

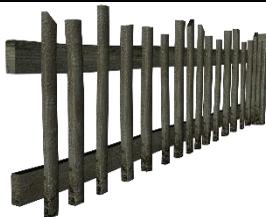
16. Farmer Ben planted 16 strawberry bushes on the patch of 4 square yards. What would be the area needed to plant 80 strawberry bushes if they will be planted with the same density as previous bushes?

A. 18 square yards B. 22 square yards C. 24 square yards D. 16 square yards E. 20 square yards

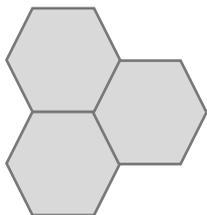


17. A rectangular garden measures 16 yards by 12 yards. Gardener George wants to put up a fence and places wooden poles 4 yards apart from one another around the garden. How many poles are needed if there is a pole at every corner?

A. 12 B. 10 C. 18 D. 14 E. 16



18. Three regular hexagons are arranged as shown below. Each hexagon has a perimeter of 8 cm. What is the perimeter of the figure made of these hexagons?



A. 22 cm B. 24 cm C. 20 cm D. 16 cm E. 26 cm

19. PetSmart is selling 3 green and 5 red parrots. Each day they eat 36 ounces of parrot food. Each red parrot eats three times as much as each green parrot. How many ounces a day does one green parrot eat?



A. 2 oz. B. 3 oz. C. 6 oz. D. 8 oz. E. 1 oz.

20. In one of the barrels, there is 20 pounds of honey. Wendy-the-Bear ate 2 pounds of honey from it. Now it contains 4 pounds of honey less than in the second barrel. How much honey is saved in the two barrels for the future cravings?



A. 18 lb. B. 39 lb. C. 40 lb. D. 36 lb. E. 38 lb.

MATH CHALLENGE TOURNAMENT

FALL 2017

PROBLEM SOLVING CHALLENGE

Grade 3

Sponsored by Ellipsis Academy



LAST NAME: _____

FIRST NAME: _____

School: _____ Grade: _____

- You may use scratch paper to do any calculation to reach final answers.
 - Mark your answers in the ANSWER SHEET.

There are 20 questions