

For all questions, choice E: NOTA means that none of the given answers is correct.

1. James is in the 3rd grade. In his class there are 25 students including James. What is the total number of eyes, arms, and legs in James' class?

(A) 150 (B) 125 (C) 200 (D) 100 (E) NOTA

2. How many dimes are needed to have \$4.00?

(A) 35 (B) 50 (C) 40 (D) 45 (E) NOTA

3. There are 12 cats, 4 dozen birds, and 3 dogs at Peter's pet store. If there are no other animals at the store, how many animals are at Peter's Pet Store?

(A) 159 (B) 19 (C) 63 (D) 50 (E) NOTA

4. If $3x + 17 = 20$, then what is $3x$?

(A) $\frac{1}{3}$ (B) 1 (C) 37 (D) 3 (E) NOTA

Use the following information for questions 5-6: Matthew is a basketball superstar. In his first 5 games, Matthew scored a total of 200 points. A season has a total of 6 games.

5. What is the average number of points Matthew scored per game?

(A) 37.5 (B) 50 (C) 42.5 (D) 40 (E) NOTA

6. Matthew wants to average at least 45 points per game for the season. What is the lowest number of points Matthew must score in his next game in order to reach his goal?

(A) 45 (B) 60 (C) 70 (D) 50 (E) NOTA

7. Which of the following is a natural number?

(A) 0 (B) 57 (C) -128 (D) 0.3 (E) NOTA

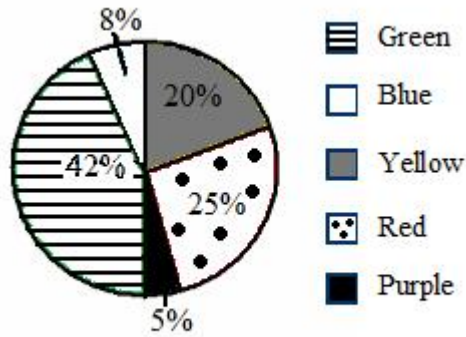
8. What is the remainder when 1265 is divided by 34?

(A) 7 (B) 37 (C) 4 (D) 20 (E) NOTA

9. A restaurant buys 6 pounds of white rice and $1\frac{3}{4}$ pounds of brown rice. If white rice costs \$4 per pound and brown rice costs \$2 per pound, how much did the restaurant pay for rice?

(A) \$19 (B) \$21.50 (C) \$27.50 (D) \$7.75 (E) NOTA

10. Mrs. Claus is taking a survey of the Santa's Helpers favorite colors. She creates the following pie chart of their favorite colors:



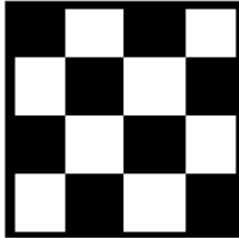
- If Mrs. Claus asked a total of 300 people, how many more of Santa's Helpers like green than red?
- (A) 17 (B) 75 (C) 45 (D) 51 (E) NOTA
11. Lucy's first day of kindergarten was September 1st, 2001. Today is November 5th, 2011. If Lucy did not skip or fail any grades, what grade is she in now?
- (A) 6th (B) 10th (C) 12th (D) 11th (E) NOTA
12. If 2 angles of a triangle are 45° and 45° , which of the following describe the triangle?
- I) Right IV) Equilateral
 II) Obtuse V) Isosceles
 III) Acute VI) Scalene
- (A) II and V (B) I and II (C) III and IV (D) I and V (E)NOTA
13. Ross is putting his lunch together. He can only take one sandwich and one fruit. He has to choose from a tuna sandwich, an egg salad sandwich, or a grilled cheese sandwich. For fruits, he can only choose from a kiwi or a banana. How many different lunches can Ross make?
- (A) 5 (B) 4 (C) 12 (D) 10 (E) NOTA
14. You have a fair two-sided coin and are going to flip it 10 times. After you flip the coin twice, you notice both of the flips were tails. What is the probability that the next coin flip will result in heads?
- (A) $\frac{8}{8}$ (B) $\frac{1}{2}$ (C) $\frac{0}{8}$ (D) $\frac{3}{4}$ (E) NOTA
15. What is the tenths digit of 4.35×1.22 ?
- (A) 7 (B) 3 (C) 5 (D) 0 (E) NOTA

16. The players on Miami Heat's starting lineup have heights: 83 in, 81 in, 80 in, 79 in and 74 in. The players on Orlando Magic starting lineup have heights: 83 in, 82 in, 80 in, 78 in, and 72 in. What is the difference between the sum of the players' heights on Miami Heat's lineup and the sum of the players' heights on Orlando Magic's lineup?
- (A) 1 (B) 2 (C) 6 (D) 3 (E) NOTA
17. What is 90% of 250?
- (A) 200 (B) 25 (C) 22.5 (D) 240 (E) NOTA
18. Chris is trying to figure out his score on his 4th grade individual test. For every correct answer he gets 4 points, for every incorrect answer 1 point is subtracted from his score, and for every skipped question he does not lose or gain any points. If he got 17 correct answers, 3 incorrect answers, and skipped 10 questions, what is Chris's score?
- (A) 58 (B) 68 (C) 60 (D) 65 (E) NOTA
19. Martin has three cups of powdered sugar. He sprinkles $\frac{2}{3}$ of the total amount of sugar onto a plate of brownies and sprinkles the rest onto a plate of lemon cookies. How much sugar does Martin sprinkle on the lemon cookies?
- (A) 1 cup (B) $\frac{1}{2}$ cup (C) 2 cups (D) $\frac{1}{3}$ cup (E) NOTA
20. Mrs. Funk has 120 students. On Tuesday $\frac{1}{3}$ of $\frac{1}{4}$ of $\frac{1}{5}$ of her students came to class. How many students came to Mrs. Funk's class on Tuesday?
- (A) 1 (B) 3 (C) 2 (D) 30 (E) NOTA
21. Write 0.225 as a fraction in simplest terms.
- (A) $\frac{45}{200}$ (B) $\frac{9}{40}$ (C) $\frac{3}{25}$ (D) $\frac{225}{1000}$ (E) NOTA
22. Mihir is stacking cups in rows to form a pyramid. The rows are stacked so that each row has one less cup than the row below it. For example, a row of 4 cups will be stacked on top of a row of 5 cups. If Mihir has 28 cups, and the top row only has 1 cup, how many cups are the bottom row?
- (A) 7 (B) 4 (C) 5 (D) 3 (E) NOTA
23. If 2 banzais are equal to 4 alacks, 2 alacks are equal to 6 goldarns, and 9 goldarns are equal to 7 placentations, then how many placentations are equal to 3 banzais?
- (A) 14 (B) 7 (C) 3 (D) 15 (E) NOTA
24. What is $\frac{24}{10}$ as a mixed number in simplest form?
- (A) $4\frac{2}{5}$ (B) $2\frac{2}{5}$ (C) $4\frac{4}{10}$ (D) $2\frac{1}{10}$ (E) NOTA

25. Payal is not a morning person, especially on Fridays. After her alarm goes off, she takes a 15 minutes snooze. Then, she spends 40 minutes in the shower and 30 minutes doing her hair. Then Payal drives to school which takes another 45 minutes. If she reached school at 7:45 AM that day, then at what time did her alarm go off?

- (A) 5:35 am (B) 5:00 am (C) 4:00 am (D) 6:00 am (E) NOTA

26. Rachel makes a 4×4 checkerboard as shown below. If each of the small squares has an area of 9, what is the perimeter of the entire checkerboard?



- (A) 54 (B) 12 (C) 108 (D) 48 (E) NOTA

27. An elementary school has 68 students. Each class has 17 students. Which equation below, when solved, will give the number of classes, c , in the elementary school?

- (A) $68 \div c = 17$ (B) $17 - 68 = c$ (C) $68 - c = 17$ (D) $4 \div c = 17$ (E) NOTA

28. The sum of two numbers is 8 and their product is 12. What are the two numbers?

- (A) 1 and 7 (B) 2 and 6 (C) 3 and 5 (D) 4 and 4 (E) NOTA

29. Patrick came home from school one day and decided to play videogames. If he spent $\frac{1}{6}$ of an hour playing Pokemon, $\frac{1}{3}$ of an hour playing Sonic the Hedgehog, and $\frac{1}{6}$ of an hour playing Mario Party, how many minutes did Patrick spend playing videogames that day?

- (A) 30 (B) 45 (C) 40 (D) $\frac{2}{3}$ (E) NOTA

30. Solve the expression: $(20 + 10 \div 5) \times (13 - 6)$.

- (A) 154 (B) 42 (C) 2800 (D) 72 (E) NOTA