

Mission Math K-2 grades

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MCQ

1. What is $12 + 7$?
(A) 9 (B) 15 (C) 19 (D) 23 (E) 29
2. What is $18 - 9$?
(A) 9 (B) 10 (C) 12 (D) 18 (E) 27
3. I had 5 apples, but 3 of them were taken by my friend. Then my friend gave 2 of the apples back. How many apples do I have now?
(A) 1 (B) 2 (C) 3 (D) 4 (E) 5
4. What whole number comes after 23?
(A) 23 (B) 24 (C) 25 (D) 26 (E) 27
5. An Orange shirt costs \$5. How much would it cost to buy 3 Orange shirts?
(A) \$2 (B) \$8 (C) \$10 (D) \$12 (E) \$15
6. Jacob had 30 feathers before he lost 12 of them. How many feathers does Jacob have now?
(A) 17 (B) 18 (C) 21 (D) 26 (E) 42

7. Matt saw 4 trees each with 3 leaves. How many leaves did Matt see in total?
(A) 4 (B) 8 (C) 9 (D) 12 (E) 15
8. 30 1st graders, 15 2nd graders, and 10 kindergarteners attended the Mission Math Spring competition. How many students attended the competition in total?
(A) 30 (B) 35 (C) 40 (D) 45 (E) 55
9. Which of the following numbers is a prime number?
(A) 1 (B) 4 (C) 9 (D) 10 (E) 11
10. If 25% of the cards in a deck of 52 cards are spades, how many spades are there in the deck?
(A) 6 (B) 8 (C) 10 (D) 13 (E) 52
11. I am going to the store to buy a carton of milk. I have \$2 and the milk costs \$1.37 with tax included. How much change will I receive?
(A) \$0.50 (B) \$0.60 (C) \$0.63 (D) \$0.80 (E) \$1
12. If Roberta grew 3 inches and she was 58 inches tall. How tall is she now?
(A) 58'' (B) 59'' (C) 60'' (D) 61'' (E) 62''
13. If Mel rolls a fair 6-sided-die numbered with the numbers 1 through 6, what is the probability that he rolls a 5?
(A) $\frac{1}{6}$ (B) $\frac{1}{5}$ (C) $\frac{1}{4}$ (D) $\frac{1}{3}$ (E) $\frac{1}{2}$
14. What is the value of $100 \times (1 - 3 + 4)$?
(A) 0 (B) 100 (C) 101 (D) 200 (E) 201

15. What is the value of $10 + 5 \times 2 - 3$?
(A) 14 (B) 17 (C) 20 (D) 27 (E) 30
16. The state of Utah wants to know how many invasive goldfish it has in Utah Lake. They randomly catch 20 fish and find that 4 of them are goldfish. If there are 100 fish in the lake, how many goldfish are likely in Utah Lake?
(A) 14 (B) 16 (C) 20 (D) 27 (E) 30
17. Meghan pays \$2 in taxes on \$40 worth of groceries. At the same tax rate, how much tax would Ashlyn need to pay for \$60 worth of groceries?
(A) \$1 (B) \$2 (C) \$3 (D) \$4 (E) \$5
18. How many ways are there to order the letters A, B, C, and D into a four letter sequence?
(A) 4 (B) 6 (C) 12 (D) 15 (E) 24
19. Calvin bought a purse at a store which had an original price of \$10. However, he received two discounts of 20% and 25%. Calvin uses both discounts on the purse. In the end how much did Calvin need to pay for the purse?
(A) \$4.00 (B) \$6.00 (C) \$7.50 (D) \$8.00 (E) \$8.50
20. There is a dazzle of 12 Zebras. Some of the Zebras have more black than white stripes and the rest have more white than black stripes. If every Zebra with more black than white stripes is tall, which of the following statements is true?
(A) Every tall Zebra has more black than white stripes
(B) Every short Zebra has more white than black stripes
(C) Every Zebra that has more white than black stripes is short
(D) No Zebra with more white than black stripes is tall
(E) There are more tall than short Zebras

FRQ

1. If I have used 5 of my 15 pens on my Mission Math test, how many pens do I have left?
2. What is the value of $34 + 78$?
3. I am thinking of a positive integer. The sum of its digits is 20. The number is also divisible by 5. What is the smallest possible value of my number?
4. How many different sandwiches of exactly 1 meat, exactly 1 cheese, and exactly 1 type of bread can I make if I have 3 choices for meats, 4 choices for cheese, and 2 choices of bread?
5. I saw 20 fish and I caught 75% of them. How many fish did I catch?
6. If the average hamburger is 5 inches long, and the average hot dog is $\frac{12}{5}$ times as long as a hamburger, how many inches long is the average hot dog?
7. I have a jar of jelly beans that weighs 56 ounces. If I add 16 ounces worth of jelly beans to the jar, and then divide the jelly beans evenly into bags that each weigh 8 ounces, how many bags do I have?
8. How many positive integers less than or equal to 150 and more than or equal to 35 are there?
9. Minerva is thinking of a 3-digit-number whose leftmost digit is 1. Her number is a multiple of 5, 7, and 3. What is Minerva's number?
10. Eliza is thinking of a number. She tells you that if you divide her number by 8 and subtract 5, you end up with 10% of the original number. What is Eliza's number?

ANSWERS

1. C

2. A

3. D

4. B

5. E

6. B

7. D

8. E

9. E

10. D

11. C

12. D

13. A

14. D

15. B

16. C

17. C

18. E

19. B

20. B

1. 10

2. 112

3. 695

4. 24

5. 15

6. 12

7. 9

8. 116

9. 105

10. 200