

One-Step Equations

1. Solve for y: $y + 0.4 = 2$

1 point

- A 24
- B 2.4
- C 1.6
- D 16

2. Solve for m: $m + 2.3 = 9.4$

1 point

- A 12
- B 11.7
- C 7
- D 7.1

3. Solve for a: $12 = 0.5a$

1 point

- A 12.5
- B 6
- C 24
- D 11.5



4. Solve for z: $15.5z = -77.5$

1 point

- A -62
- B -93
- C 6
- D -5

5. Solve for x: $(x/-11) = 11$ (Hint: in the parentheses is x over -11)

1 point

- A -1
- B 22
- C -22
- D -121

6. Solve for r: $r - 2.3 = 0.46$

1 point

- A 2.76
- B 1.84
- C 0.23
- D -6.9



7. Solve for b: $(b/0.23) = 12$ (Hint: in the parentheses is b over 0.23)

1 point

- A 11.77
- B 52.17
- C 2.76
- D 12.23

8. Solve for v: $-47.76 + v = -68.94$

1 point

- A -116.7
- B -21.18
- C 116.7
- D 21.18

9. Eight less than 0.34 a number n is -13. Write the equation for n.

1 point

- A $8 - 0.34 + n = -13$
- B $0.34 \times n - 8 = -13$
- C $0.34 - 8 \times n = -13$
- D $8 - 0.34 \times n = -13$



10. A number f multiplied by -12.3 is -73.8 . Write the equation for f .

1 point

- A $-73.8 = -12.3 \times f$
- B $f = -73.8 \times -12.3$
- C $-12.3 = f \times -73.8$
- D $-73.8 = f \times 12.3$

11. During unusually cold weather, the temperature in Miami Beach was 10 degrees . This was 12 degrees more than in Tallahassee. What is the temperature in Tallahassee? Write and solve an equation for x .

1 point

- A 22 degrees
- B 2 degrees
- C -2 degrees
- D -22 degrees

12. A swimmer swam 48 kilometers in d days. What is the value of d if the swimmer swam an average of 3.2 kilometers daily? Write and solve an equation for d . (Round to a whole day)

1 point

- A 15 days
- B 45 days
- C 51 days
- D 154 days



13. Fifteen tickets cost \$193.75. What is the average cost of each ticket? 1 point
Write and solve an equation for t . (Round to the nearest hundredth)

- A \$13
- B \$12.92
- C \$12.90
- D \$12

14. A painter works 37.5 hours one week. If she worked 5 days, how many hours did she work on average per day? Write and solve an equation for h . 1 point

- A 7.5
- B 6.5
- C 8
- D 7

15. A carpenter works 45 hours one week. He makes \$15.25 per hour and works for 5 days that week, how much did he get paid per day? Write and solve an equation for p . (Round to the nearest hundredth) 1 point

- A \$686
- B \$686.25
- C \$137
- D \$137.25



16. A bottle of fruit juice holds 1.89L. If Destiny bought almost 6L of fruit juice, how many bottles did she buy? Write and solve an equation for b . (Round to the nearest whole bottle)

1 point

- A 4
- B 3
- C 2
- D 5

17. A driver uses 2.7 gallons of gasoline to drive her car 72.9 miles. How many miles did she drive per gallon? Write and solve an equation for m .

1 point

- A 70.2
- B 196.8
- C 27.0
- D 24.3

18. The value of a share of stock decreases in value at a rate of \$1.20 per hour during the first 3.5 hours of trading. Write and solve an equation to find the decrease in the value of the share of stock, s , during that time. (Round to the nearest hundredth)

1 point

- A -\$4.20; $(s/3.5) = -1.2$
- B \$4.20; $(s/3.5) = 1.2$
- C -\$2.92; $(3.5/s) = -1.2$
- D \$2.92; $(3.5/s) = 1.2$



19. After a power failure, the temperature in a freezer increased at an average rate of 2.5 degrees per hour. The total increase was 7.5 degrees. Write and solve an equation to find the number of hours, h , until the power was restored. 1 point

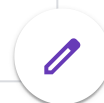
- A 18.75 hours; $h = 2.5 \times 7.5$
- B 10 hours; $7.5 + 2.5 = 10$
- C 3 hours; $2.5 \times h = 7.5$
- D $1/3$ hours = $2.5 = h \times 7.5$

20. A hot air balloon begins its descent at a rate of $22 \frac{1}{2}$ feet per minute. How long will it take for the balloon's elevation to change by -315 feet? Write and solve an equation for m , number of minutes to change elevation. 1 point

- A 15
- B -15
- C 14
- D -14

21. You can find the word of the day by going back and finding the answer to question #6. Use that letter a, b, c, or d, to answer this question. (This is your bonus point question) 1 point

- A Outstanding
- B Unstoppable
- C Wise
- D Choices



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