

8th Grade Summer Math Packet Answers

1.

- TRUE
- TRUE
- FALSE
- TRUE

2. Less than $\frac{1}{3}$: landing on a 1; landing on a 3; and landing on a 4
Greater than 1: landing on a 2

3. Finds new wage rate: "Multiply \$455 by 1.20"; and "Solve for x: $\frac{x}{455} = \frac{120}{100}$,"

Does not find new wage rate: "Divide \$455 by 0.20"; "divide \$455 by 1.20"; "Multiply \$455 by 0.20"; and "Solve for x: $\frac{455}{x} = \frac{20}{100}$,"

4. $w = 4v + 4 = 4(v + 2)$

5. 0.6 gallon of green paint

6. $(x - 4)$ and $(-4 + 4x)$ and $(-4x - 4)$

7.

- $P + 88 = 216$
- 7 boxes of nails
- 5 posts placed 8 feet apart

8. $\frac{2}{3}$ and $\frac{1}{2}$

9. 7.5

10. A. 6 carrots and 4 celery sticks
B. 3:4

11. Options A, B and E

12. A 3cm by 3 cm square

13. Options A, B, and E

14. A line from 0 to 6 on the number line

15. Any correct equation such as: $y = 9.60h$

16. 4 paint cans

17. A. Steps 1, 2, and 4

B. A point plotted at 8 on the number line

18. 16 tickets