Name _____ Date _____

**Solve the equation. Check your solution.**

**1.** $y - 2.1 = 7.5$

**2.** $-6.4 = x + 4.3$

**3.** $k - \dfrac{1}{3} = \dfrac{5}{6}$

**4.** $10.5 + p = -8.32$

**5.** $3\dfrac{3}{4} = r + \dfrac{1}{8}$

**6.** $m + 1.06 = 5$

**7.** $4b = 24$

**8.** $-7n = 35$

**9.** $\dfrac{y}{-3} = 33$

**10.** $\dfrac{p}{5} = -32$
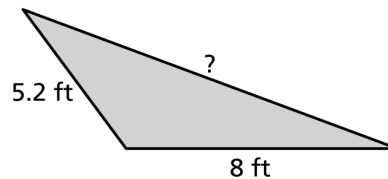
**11.** $-3t = -4.2$

**12.** $1.5q = -8.4$

**13.** $\dfrac{1}{5}d = -3$

**14.** $14 = 3y$

**15.** $\dfrac{g}{2.1} = -6.8$

**16.** Your mother asked you to turn the oven down to 325 °F. This is 75 °F less than it was. What was the original temperature?

**17.** Your two-day pass to a theme park is $76.50. This is $31.41 less than your uncle's two-day pass. What is the price of your uncle's pass?

**18.** The perimeter of the triangle is 25 feet. What is the length of the unknown side?



5.2 ft
?
8 ft

**19.** Your family took a road trip on Saturday. You were in the car for 4.5 hours and averaged 70 miles per hour. How many miles did you travel?

**20.** The area of a rectangle is $\dfrac{1}{2}$ square inch. The length of the rectangle is $\dfrac{3}{8}$ inch. What is the width of the rectangle?

**21.** You are in a room with other students and are asked to get in groups of 3. When finished, there are 21 groups of 3. How many students are in the room?

**22.** The perimeter of a square is 26.46 inches. What is the side length of the square?