2-8 Division Equations

Pg. 85

3-21-18

Mar 15-9:00 AM

<u>Multiplication</u> is the inverse of division. When an equation contains division, use multiplication to "undo" the division.

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Solve the equation. Check your answer.

$$\frac{x}{7} = 5$$
 $7 = 5.7$
 $1 = 5.7$
 $1 = 5.7$
 $1 = 35$
 $1 = 35$
 $1 = 35$

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Solve the equation. Check your answer.

$$6 \cdot |3 = P.6$$
 $\frac{13}{78}$
 $78 = P$

 $13 = \frac{p}{6}$

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Solve the equation. Check your answer.

$$\frac{x}{2} = 9$$

$$\frac{2x}{2} = 9 \cdot 2$$

$$x = |8|$$

$$\sqrt{\frac{18}{2}} = 9$$

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Solve the equation. Check your answer.

$$72 = \frac{P}{4}$$

$$\frac{4 \cdot P}{4} = 72 \cdot 4$$

$$\frac{72}{\cancel{4}} = \cancel{9} = 288$$

$$\frac{\cancel{4}}{\cancel{4}} = \cancel{7}$$

$$\frac{\cancel{2}88}{\cancel{4}} = \cancel{7}$$

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Solve each equation. Check your answers.

$$\frac{y}{5} = 4$$

$$\frac{5.4}{5} = 4.5$$

$$y = 20$$

$$1: 20.4$$

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B
$$12 = \frac{z}{4}$$
 $4 \cdot |2 = \frac{z}{4}$
 $z = 48$
 $\sqrt{|2 = \frac{48}{4}|}$

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At Elk Meadows Park an aspen tree is onethird the height of a pine tree.

height of aspen = $\frac{\text{height of pine}}{2}$

The aspen tree is 14 feet tall. How tall is the pine tree?

Let *h* represent the height of the pine tree.

$$\frac{13.14 = \frac{h.3}{3}}{14.3}$$

Mar 15-9:04 AM

Jamie weighs one-half as much as her father. Jamie's weight = father's weight

Jamie weighs 95 pounds. How many pounds does her father weigh?

Let w represent her father's weight.

$$2.95 = \frac{\omega.2}{2}$$

$$\omega = 190 \text{ lb}$$

Mar 15-9:04 AM

Solve each equation. Check your answers.

1.
$$\frac{x}{10} = 7$$
 $\frac{10 \times 10}{10} = 7.10$ $4.8 = \frac{x}{4}$
2. $8 = \frac{x}{4}$ $1 = 70$ $1 = 32$
3. $\frac{x}{4} = 1$: $\frac{1}{4}$ $\frac{70}{4} = 7$

3.
$$\frac{x}{9} = 1$$
: $\sqrt{\frac{70}{10}} = 7$ $\sqrt{\frac{8}{8}} = \frac{32}{4}$
4. $\frac{x}{4} = 7$

4.
$$\frac{x}{15} = 7$$

5. The area of Sherry's flower garden is onefourth the area of her vegetable garden. The area of the flower garden is 17 square feet. Let xrepresent the area of her vegetable garden. Find the area of her vegetable garden?