

Lesson 13: Practice Problems

SHOW ALL WORK

1. Solve.

a. $5\frac{2}{5}t = 6$

b. $-4.5 = a - 8$

c. $\frac{1}{2} + p = -3$

d. $12 = x \cdot 3$

e. $-12 = -3y$

2. Evaluate each expression if x is $\frac{2}{5}$, y is -4 , and z is -0.2 .

a. $x + y$

b. $2x - z$

c. $x + y + z$

d. $y \cdot x$

3. Match each equation to a step that will help solve the equation.

A. $5x = 0.4$

1. Multiply each side by 5.

B. $\frac{x}{5} = 8$

2. Multiply each side by -5.

C. $3 = \frac{-x}{5}$

3. Multiply each side by $\frac{1}{5}$.

D. $7 = -5x$

4. Multiply each side by $\frac{-1}{5}$.

4.

a. Write an equation where a number is added to a variable, and a solution is -8.

b. Write an equation where a number is multiplied by a variable, and a solution is $\frac{-4}{5}$.

5. The markings on the number line are evenly spaced. Label the other markings on the number line.

