

Linear Equations with Fractions

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the equation.

1) $\frac{x-8}{3} = \frac{x-3}{2}$ 1) _____

A) $\{-7\}$

B) $\left\{\frac{7}{5}\right\}$

C) $\{1\}$

D) $\{25\}$

2) $\frac{r+6}{5} = \frac{r+8}{7}$ 2) _____

A) $r = -2$

B) $r = 1$

C) $r = 2$

D) $r = -1$

Solve.

3) $\frac{2}{5}x - \frac{1}{3}x = 5$ 3) _____

A) -75

B) -150

C) 75

D) 150

4) $\frac{3}{4} + \frac{1}{5}x = 8$ 4) _____

A) 4

B) $\frac{135}{4}$

C) $\frac{145}{4}$

D) $\frac{25}{4}$

Solve the linear equation.

5) $\frac{x}{7} = \frac{x}{9} + 8$ 5) _____

A) $\{63\}$

B) $\{72\}$

C) $\{56\}$

D) $\{252\}$

6) $\frac{2x}{5} = \frac{x}{3} + 5$ 6) _____

A) $\{-75\}$

B) $\{75\}$

C) $\{150\}$

D) $\{-150\}$

7) $\frac{x}{5} = \frac{x}{8} + 6$ 7) _____

A) $\{40\}$

B) $\{80\}$

C) $\{48\}$

D) $\{30\}$

8) $\frac{2x}{5} = \frac{x}{3} + 2$ 8) _____

A) $\{-60\}$

B) $\{-30\}$

C) $\{30\}$

D) $\{60\}$

9) $\frac{x+4}{2} - 1 = \frac{x-4}{6}$ 9) _____

A) $\left\{-\frac{31}{4}\right\}$

B) $\{-5\}$

C) $\left\{\frac{5}{2}\right\}$

D) $\{-1\}$

Answer Key

Testname: LINEAR EQUATIONS WITH FRACTIONS

- 1) A
- 2) D
- 3) C
- 4) C
- 5) D
- 6) B
- 7) B
- 8) C
- 9) B