

Solve the Absolute Value Equations

Round your answers to the nearest hundredth if needed.

1) $\left| \frac{-3}{8}d \right| = 21$

6) $\left| \frac{1}{6}y \right| = 20$

2) $\left| \frac{-5}{7}h \right| = 6$

7) $\frac{3}{4}|k| = 20$

3) $\left| \frac{-4}{7}v \right| = 16$

8) $\left| \frac{-3}{5}f \right| = 27$

4) $\left| \frac{-8}{9}n \right| = 11$

9) $\frac{5}{7}|x| = 11$

5) $\frac{2}{5}|s| = 28$

10) $\left| \frac{-1}{7}z \right| = 5$

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Round your answers to the nearest hundredth if needed.

$$1) \left| \frac{-3}{8}d \right| = 21$$

$$d = -56 \text{ or } 56$$

$$6) \left| \frac{1}{6}y \right| = 20$$

$$y = -120 \text{ or } 120$$

$$2) \left| \frac{-5}{7}h \right| = 6$$

$$h = 8.4$$

$$7) \frac{3}{4}|k| = 20$$

$$k = -26.67 \text{ or } 26.67$$

$$3) \left| \frac{-4}{7}v \right| = 16$$

$$v = -28 \text{ or } 28$$

$$8) \left| \frac{-3}{5}f \right| = 27$$

$$f = 45$$

$$4) \left| \frac{-8}{9}n \right| = 11$$

$$n = -12.38 \text{ or } 12.38$$

$$9) \frac{5}{7}|x| = 11$$

$$x = -15.4 \text{ or } 15.4$$

$$5) \frac{2}{5}|s| = 28$$

$$s = -70 \text{ or } 70$$

$$10) \left| \frac{-1}{7}z \right| = 5$$

$$z = 35$$

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