



FIND THE MISSING VARIABLE

Name _____

Score _____

Divide the fractions below and reduce your answers to simplest form.

1) $\frac{3}{2} \times \frac{5}{4} = \frac{15}{v}$

$v =$ _____

3) $\frac{b}{11} \div \frac{28}{77} = 1\frac{3}{4}$

$b =$ _____

5) $\frac{4}{5} \times \frac{2}{g} = \frac{8}{15}$

$g =$ _____

7) $\frac{13}{15} \div \frac{1}{3} = w$

$w =$ _____

9) $t \times \frac{15}{19} = \frac{2}{3}$

$t =$ _____

2) $\frac{x}{3} \times \frac{9}{10} = \frac{3}{2}$

$x =$ _____

4) $u \div \frac{5}{7} = 1$

$u =$ _____

6) $\frac{5}{8} \div \frac{q}{6} = \frac{3}{4}$

$q =$ _____

8) $\frac{17}{8} \times c = 8\frac{1}{2}$

$c =$ _____

10) $3\frac{2}{3} \div 2\frac{6}{8} = \frac{h}{3}$

$h =$ _____



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Answer key

Divide the fractions below and reduce your answers to simplest form.

$$1) \quad \frac{3}{2} \times \frac{5}{4} = \frac{15}{v}$$

$$v = \underline{\quad 8 \quad}$$

$$3) \quad \frac{b}{11} \div \frac{28}{77} = 1\frac{3}{4}$$

$$b = \underline{\quad 7 \quad}$$

$$5) \quad \frac{4}{5} \times \frac{2}{g} = \frac{8}{15}$$

$$g = \underline{\quad 3 \quad}$$

$$7) \quad \frac{13}{15} \div \frac{1}{3} = w$$

$$w = \underline{\quad 2\frac{3}{5} \quad}$$

$$9) \quad t \times \frac{15}{19} = \frac{2}{3}$$

$$t = \underline{\quad \frac{38}{45} \quad}$$

$$2) \quad \frac{x}{3} \times \frac{9}{10} = \frac{3}{2}$$

$$x = \underline{\quad 5 \quad}$$

$$4) \quad u \div \frac{5}{7} = 1$$

$$u = \underline{\quad \frac{5}{7} \quad}$$

$$6) \quad \frac{5}{8} \div \frac{q}{6} = \frac{3}{4}$$

$$q = \underline{\quad 5 \quad}$$

$$8) \quad \frac{17}{8} \times c = 8\frac{1}{2}$$

$$c = \underline{\quad 4 \quad}$$

$$10) \quad 3\frac{2}{3} \div 2\frac{6}{8} = \frac{h}{3}$$

$$h = \underline{\quad 4 \quad}$$