

Name : _____

Solve

Like fractions: S1

Find the value of the variable in each problem.

1) $\frac{y}{4} + \frac{5}{4} = \frac{11}{4}$ $y = \square$

2) $\frac{13}{14} + \frac{16}{14} = \frac{q}{14}$ $q = \square$

3) $5\frac{1}{2} + \frac{6}{2} = 8\frac{1}{a}$ $a = \square$

4) $\frac{4}{7} + \frac{c}{7} = 1\frac{2}{7}$ $c = \square$

5) $3\frac{11}{17} + 4\frac{10}{17} = 8\frac{n}{17}$ $n = \square$

6) $\frac{r}{13} + \frac{16}{13} = \frac{31}{13}$ $r = \square$

7) $\frac{3}{5} + 8\frac{b}{5} = 9$ $b = \square$

8) $\frac{17}{20} + \frac{21}{20} = \frac{19}{x}$ $x = \square$

9) $2\frac{m}{6} + 3\frac{3}{6} = \frac{35}{6}$ $m = \square$

10) $\frac{6}{9} + \frac{2}{9} = \frac{d}{9}$ $d = \square$

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Answer Key

Solve

Like fractions: S1

Find the value of the variable in each problem.

$$1) \quad \frac{y}{4} + \frac{5}{4} = \frac{11}{4} \quad y = \boxed{6}$$

$$2) \quad \frac{13}{14} + \frac{16}{14} = \frac{q}{14} \quad q = \boxed{29}$$

$$3) \quad 5\frac{1}{2} + \frac{6}{2} = 8\frac{1}{a} \quad a = \boxed{2}$$

$$4) \quad \frac{4}{7} + \frac{c}{7} = 1\frac{2}{7} \quad c = \boxed{5}$$

$$5) \quad 3\frac{11}{17} + 4\frac{10}{17} = 8\frac{n}{17} \quad n = \boxed{4}$$

$$6) \quad \frac{r}{13} + \frac{16}{13} = \frac{31}{13} \quad r = \boxed{15}$$

$$7) \quad \frac{3}{5} + 8\frac{b}{5} = 9 \quad b = \boxed{2}$$

$$8) \quad \frac{17}{20} + \frac{21}{20} = \frac{19}{x} \quad x = \boxed{10}$$

$$9) \quad 2\frac{m}{6} + 3\frac{3}{6} = \frac{35}{6} \quad m = \boxed{2}$$

$$10) \quad \frac{6}{9} + \frac{2}{9} = \frac{d}{9} \quad d = \boxed{8}$$