

Name : _____

Solve

Unlike fractions: S2

Find the value of the variable in each problem.

1) $5\frac{4}{5} + 2\frac{1}{2} = \frac{83}{z}$ $z =$

2) $\frac{5}{7} + \frac{c}{3} = 5\frac{1}{21}$ $c =$

3) $\frac{q}{4} + \frac{7}{4} = \frac{45}{z}$ $z =$

4) $\frac{14}{5} + \frac{7}{5} = \frac{45}{z}$ $z =$

5) $9\frac{10}{12} + \frac{7}{12} = \frac{45}{z}$ $z =$

6) $\frac{5}{y} + \frac{7}{y} = \frac{45}{z}$ $z =$

7) $1\frac{b}{10} + \frac{7}{10} = \frac{45}{z}$ $z =$

8) $\frac{3}{5} + \frac{7}{5} = \frac{45}{z}$ $z =$

9) $6\frac{1}{2} + \frac{x}{10} = \frac{69}{10}$ $x =$

10) $\frac{13}{8} + 7\frac{6}{12} = 9\frac{c}{8}$ $c =$

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Solve

Find the value of the variable in each problem.

$$1) \quad 5\frac{4}{5} + 2\frac{1}{2} = \frac{83}{z} \quad z = \boxed{10}$$

$$2) \quad \frac{5}{7} + \frac{c}{3} = 5\frac{1}{21} \quad c = \boxed{13}$$

$$3) \quad \frac{q}{4} + \frac{7}{5} = \frac{45}{5} \quad q = \boxed{3}$$

$$4) \quad \frac{14}{5} + \frac{7}{5} = \frac{45}{5} \quad 7 = \boxed{5}$$

$$5) \quad 9\frac{10}{12} + \frac{7}{12} = \frac{45}{12} \quad 7 = \boxed{1}$$

$$6) \quad \frac{5}{y} + \frac{7}{y} = \frac{45}{y} \quad 7 = \boxed{7}$$

$$7) \quad 1\frac{b}{10} + \frac{7}{10} = \frac{45}{10} \quad b = \boxed{9}$$

$$8) \quad \frac{3}{5} + \frac{7}{5} = \frac{45}{5} \quad 7 = \boxed{3}$$

$$9) \quad 6\frac{1}{2} + \frac{x}{10} = \frac{69}{10} \quad x = \boxed{4}$$

$$10) \quad \frac{13}{8} + 7\frac{6}{12} = 9\frac{c}{8} \quad c = \boxed{1}$$

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