

Name : \_\_\_\_\_

## Solve

Unlike fractions: 54

Find the value of the variable in each problem.

1)  $\frac{7}{a} + \frac{11}{12} = \frac{25}{12}$        $a = \square$

2)  $\frac{y}{15} + \frac{2}{3} = 1\frac{8}{15}$        $y = \square$

3)  $2\frac{1}{4} + \frac{9}{9} = \frac{7}{9}$        $\square$

4)  $\frac{5}{q} + \frac{9}{9} = \frac{7}{9}$        $\square$

5)  $2\frac{8}{14} + \frac{9}{9} = \frac{7}{9}$        $\square$

6)  $\frac{3}{4} + \frac{9}{9} = \frac{7}{9}$        $\square$

7)  $\frac{13}{10} + \frac{9}{9} = \frac{7}{9}$        $\square$

8)  $\frac{14}{d} + \frac{9}{9} = \frac{7}{9}$        $\square$

9)  $2\frac{1}{2} + 3\frac{3}{4} = \frac{z}{4}$        $z = \square$

10)  $\frac{5}{8} + \frac{9}{c} = 1\frac{3}{16}$        $c = \square$

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**Solve**

Find the value of the variable in each problem.

$$1) \quad \frac{7}{a} + \frac{11}{12} = \frac{25}{12} \quad a = \boxed{6}$$

$$2) \quad \frac{y}{15} + \frac{2}{3} = 1\frac{8}{15} \quad y = \boxed{13}$$

$$3) \quad 2\frac{1}{4} + \frac{9}{9} = \frac{7}{3} \quad \boxed{10}$$

$$4) \quad \frac{5}{q} + \frac{1}{2} = \frac{3}{2} \quad \boxed{2}$$

$$5) \quad 2\frac{8}{14} + \frac{1}{2} = \frac{4}{2} \quad \boxed{4}$$

$$6) \quad \frac{3}{4} + \frac{1}{4} = \frac{3}{2} \quad \boxed{3}$$

$$7) \quad \frac{13}{10} + \frac{1}{10} = \frac{14}{10} \quad \boxed{1}$$

$$8) \quad \frac{14}{d} + \frac{9}{9} = \frac{3}{3} \quad \boxed{8}$$

$$9) \quad 2\frac{1}{2} + 3\frac{3}{4} = \frac{z}{4} \quad z = \boxed{25}$$

$$10) \quad \frac{5}{8} + \frac{9}{c} = 1\frac{3}{16} \quad c = \boxed{16}$$

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