

Name: Class:

Fractions of a number

Solve the following

a. $\frac{3}{4}$ of 10 =

b. $\frac{2}{6}$ of 24 =

c. $\frac{5}{7}$ of 35 =

d. $\frac{10}{15}$ of 15 =

e. $\frac{1}{2}$ of 100 =

f. $\frac{2}{8}$ of 32 =

g. $\frac{1}{9}$ of 18 =

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Fractions of a number

Solve the following

a. $\frac{3}{4}$ of 10 = $7\frac{1}{2}$

Let's multiply the numerator by the whole number, then divide by the denominator

$$\frac{3}{4} \text{ of } 10 = \frac{3 \times 10}{4} = \frac{30}{4} = \frac{15 \times 2}{2 \times 2} = \frac{15}{2} = 7\frac{1}{2}$$

So, $\frac{3}{4}$ of 10 = $7\frac{1}{2}$

b. $\frac{2}{6}$ of 24 =

$$\frac{2}{6} \text{ of } 24 = \frac{2 \times 24}{6} = \frac{48}{6} = \frac{8 \times 6}{1 \times 6} = 8$$

So, $\frac{2}{6}$ of 24 = 8

c. $\frac{5}{7}$ of 35 = 25

$$\frac{5}{7} \text{ of } 35 = \frac{5 \times 35}{7} = \frac{175}{7} = \frac{25 \times 7}{1 \times 7} = 25$$

So, $\frac{5}{7}$ of 35 = 25

d. $\frac{10}{15}$ of 15 = 10

$$\frac{10}{15} \text{ of } 15 = \frac{10 \times 15}{15} = 10$$

So, $\frac{10}{15}$ of 15 = 10

e. $\frac{1}{2}$ of 100 = 50

$$\frac{1}{2} \text{ of } 100 = \frac{1 \times 100}{2} = \frac{100}{2} = 50$$

So, $\frac{1}{2}$ of 100 = 50

f. $\frac{2}{8}$ of 32 = 8

$$\frac{2}{8} \text{ of } 32 = \frac{2 \times 32}{8} = \frac{64}{8} = 8$$

So, $\frac{2}{8}$ of 32 = 8

g. $\frac{1}{9}$ of 18 = 2

$$\frac{1}{9} \text{ of } 18 = \frac{1 \times 18}{9} = \frac{18}{9} = 2$$

So, $\frac{1}{9}$ of 18 = 2