

Name: Class:

Fractions of a number

Solve the following. (Simplify your answer)

a. $\frac{2}{5}$ of 20

k. $\frac{1}{5}$ of 25

b. $\frac{1}{3}$ of 30

l. $\frac{1}{3}$ of 90

c. $\frac{2}{3}$ of 15

m. $\frac{2}{3}$ of 75

d. $\frac{1}{4}$ of 36

n. $\frac{1}{4}$ of 100

e. $\frac{5}{8}$ of 40

o. $\frac{2}{5}$ of 150

f. $\frac{3}{4}$ of 12

p. $\frac{1}{2}$ of 300

g. $\frac{2}{3}$ of 25

q. $\frac{2}{3}$ of 250

h. $\frac{4}{6}$ of 36

r. $\frac{4}{6}$ of 172

i. $\frac{3}{4}$ of 24

s. $\frac{5}{6}$ of 240

j. $\frac{7}{9}$ of 90

t. $\frac{1}{8}$ of 800

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Fractions of a number

Solve the following. (Simplify your answer)

a. $\frac{2}{5}$ of 20

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

$$\frac{2}{5} \text{ of } 20 = \frac{2 \times 20}{5} = \frac{40}{5} = \frac{5 \times 8}{5} = 8$$

$$\text{So, } \frac{2}{5} \text{ of } 20 = 8$$

b. $\frac{1}{3}$ of 30 = $\frac{1 \times 30}{3} = \frac{30}{3} = \frac{3 \times 10}{3} = 10$

$$\text{So, } \frac{1}{3} \text{ of } 30 = 10$$

c. $\frac{2}{3}$ of 15 = $\frac{2 \times 15}{3} = \frac{30}{3} = \frac{3 \times 10}{3} = 10$

$$\text{So, } \frac{2}{3} \text{ of } 15 = 10$$

d. $\frac{1}{4}$ of 36 = $\frac{1 \times 36}{4} = \frac{36}{4} = \frac{4 \times 9}{4} = 9$

$$\text{So, } \frac{1}{4} \text{ of } 36 = 9$$

e. $\frac{5}{8}$ of 40 = $\frac{5 \times 40}{8} = \frac{200}{8} = \frac{25 \times 8}{8} = 25$

$$\text{So, } \frac{5}{8} \text{ of } 40 = 25$$