

Name: Class:



Fractions of a number

Solve the following. (Simplify your answer)

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

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

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

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

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



Name: Class:



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

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

