

Name: Class:

Fractions of a number: unit fractions

Evaluate the expressions below (simplify your answer)



a. $\frac{1}{12}$ of 24 =

To solve this, let's multiply the numerator by the whole number, then divide by the denominator.

$$\frac{1}{12} \text{ of } 24 = \frac{1}{12} \times \frac{24}{1} = \frac{1 \times 24}{12 \times 1} = \frac{2 \times 12}{1 \times 12} = 2$$

So, $\frac{1}{12}$ of 24 = 2

b. $\frac{1}{5}$ of 20 =

c. $\frac{1}{2}$ of 2 =

d. $\frac{1}{3}$ of 6 =



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b. $\frac{1}{5}$ of 20 = 4

$$\frac{1}{5} \text{ of } 20 = \frac{1}{5} \times \frac{20}{1} = \frac{1 \times 20}{5 \times 1} = \frac{4 \times 5}{1 \times 5} = 4$$

So, $\frac{1}{5}$ of 20 = 4

c. $\frac{1}{2}$ of 2 = 1

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

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

d. $\frac{1}{3}$ of 6 = 2

$$\frac{1}{3} \text{ of } 6 = \frac{1}{3} \times \frac{6}{1} = \frac{1 \times 6}{3 \times 1} = \frac{2 \times 3}{1 \times 3} = 2$$

So, $\frac{1}{3}$ of 6 = 2

