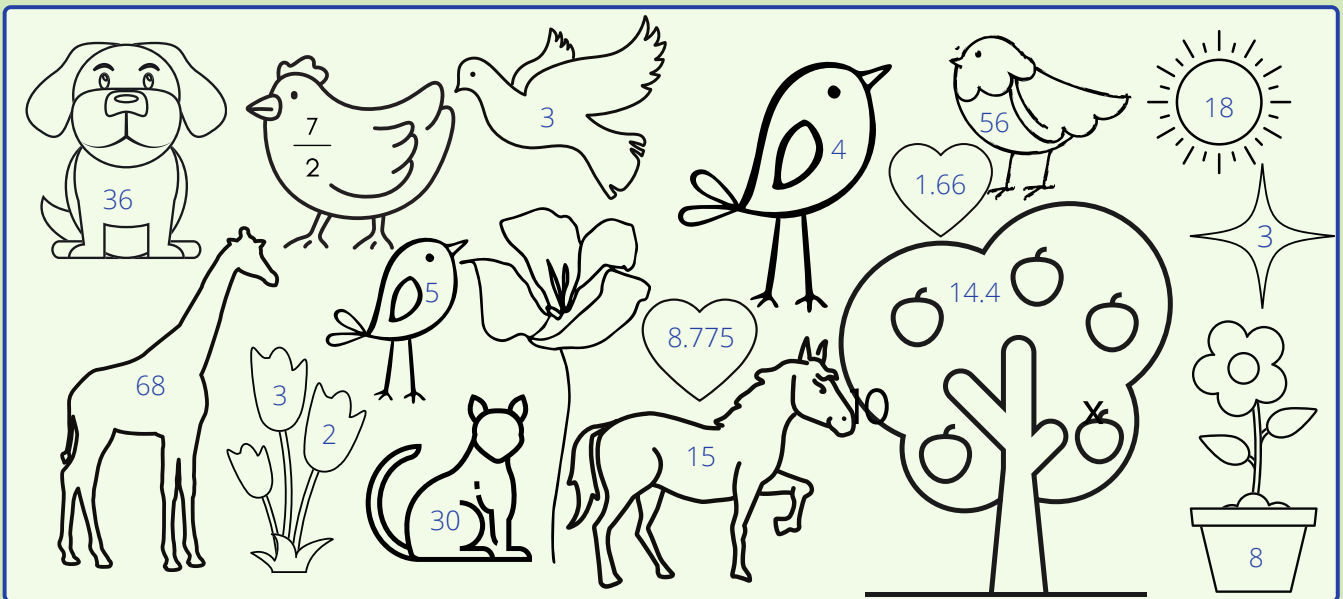


Proportion

Find the answer and shade it.



Concept

$$\frac{x}{9} = \frac{2}{3}$$

Cross-Multiply

$$(x)(3) = (2)(9)$$

Set the cross-products equal to each other.

$$\frac{3x}{3} = \frac{18}{3}$$

Simplify.

Divide both sides by 3 to get x by itself.

$$x = 6$$

Example

$$\frac{5}{8} = \frac{n}{4}$$

$$5 \cdot 4 = 8 \cdot n$$

Cross multiply.

$$20 = 8n$$

$$\frac{20}{8} = \frac{8n}{8}$$

Divide by 8.

$$\frac{20 \div 4}{8 \div 4} = n$$

Reduce.

$$\frac{5}{2} = n$$

Concept

1 $\frac{x}{4} = \frac{7}{8}$

5 $\frac{x}{4} = \frac{7.2}{2}$

9 $\frac{x}{15} = \frac{12}{5}$

2 $\frac{6}{8} = \frac{x}{4}$

6 $\frac{1}{x} = \frac{5}{8.3}$

10 $\frac{x}{20} = \frac{6}{15}$

3 $\frac{3}{10} = \frac{9}{x}$

7 $\frac{5}{x} = \frac{15}{9}$

11 $\frac{12}{h} = \frac{3}{17}$

4 $\frac{2}{6.5} = \frac{2.7}{x}$

8 $\frac{3}{x} = \frac{2}{10}$

12 $\frac{5}{6} = \frac{15}{x}$