



## What is a Fraction, Numerator and Denominator?

**FREE Worksheet - 3**

**Time: 20 minutes**

(Detailed solutions at the end)

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1. I am a fraction.

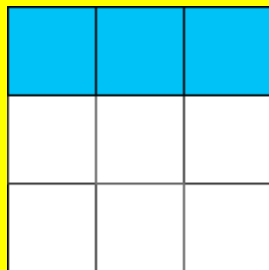
The sum of my numerator and denominator is 18.

My denominator is 6 more than my numerator.

What fraction am I?

Answer: \_\_\_\_\_

2. Express the shaded area in the figure below as a fraction.



Answer: \_\_\_\_\_

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3. The numerator of a fraction is 2.

The denominator of the fraction is 3 times its numerator.

What fraction is it?

Answer: \_\_\_\_\_

4. Neil had 6 pencils.

He gave 3 pencils to his friend.

What fraction of the pencils did he give to his friend?

Answer: \_\_\_\_\_



5. Harrison has 4 roses and 2 lillies.

What fraction of his flowers are roses?

Answer: \_\_\_\_\_

6. What is the numerator in the given fraction?

$$\frac{1}{9}$$

Answer: \_\_\_\_\_

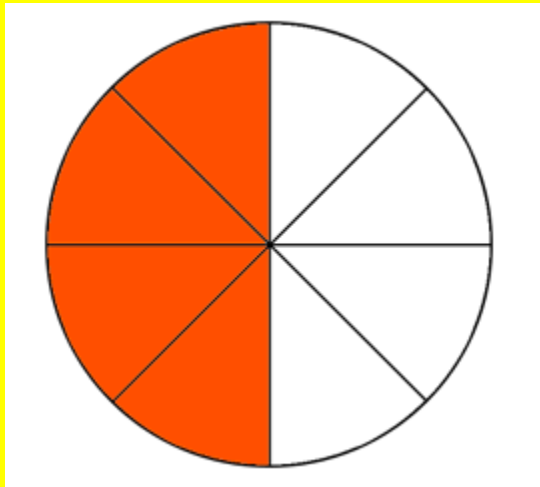
7. Express the shaded area in the figure below as a fraction.



Answer: \_\_\_\_\_



8. Express the shaded area in the figure below as a fraction.

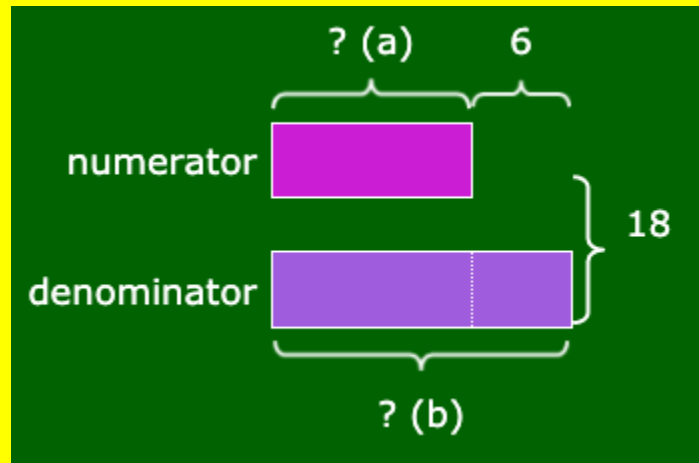


Answer: \_\_\_\_\_



## SOLUTIONS

### Problem 1



$$2 \text{ units} = 18 - 6$$

$$= 12$$

$$1 \text{ unit} = 6 \text{ (numerator)}$$

$$6 + 6 = 12 \text{ (denominator)}$$

So, the fraction is  $\frac{6}{12}$

### Problem 2

3 out of 9 squares in the figure are shaded.

So, the shaded area is  $\frac{3}{9}$  of the figure.



**Problem 3**

$$\begin{aligned} \text{Denominator} &= \text{Numerator} \times 3 \\ &= 2 \times 3 \\ &= 6 \end{aligned}$$

So, the fraction is  $\frac{2}{6}$ .

**Problem 4**

He gave 3 out of the 6 pencils to his friend.

So, he gave  $\frac{3}{6}$  of the pencil to his friend.

**Problem 5**

$$4 + 2 = 6$$

He has 6 flowers altogether.

4 out of his 6 flowers are roses.



So,  $\frac{4}{6}$  of his flowers are roses.

**Problem 6**

\_\_\_\_\_ The top number in a fraction is the numerator.

In the given fraction, the numerator is 1.

**Problem 7**

\_\_\_\_\_

5 out of 8 parts in the figure are shaded.

So, the shaded area is  $\frac{5}{8}$  of the figure.

**Problem 8**

\_\_\_\_\_ 4 out of 8 slices in the figure are shaded.

So, the shaded area is  $\frac{4}{8}$  of the figure.