What is a Fraction, Numerator and Denominator?

FREE Worksheet - 4

Time: 20 minutes

(Detailed solutions at the end)

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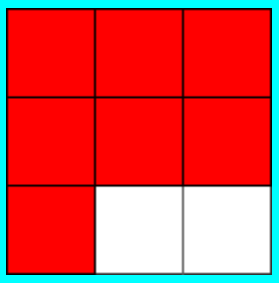
1. Express the shaded area in the figure below as a fraction.



Answer: _____

2. Kobe has 5 red toy cars and 6 blue toy cars.

   What fraction of his toy cars is red?

Answer: _____

3. I am a fraction.

   The sum of my numerator and denominator is 15.

   My denominator is 5 more than my numerator.

   What fraction am I?

   Answer: _____

4. Adriana cut a cake into 10 pieces.

   She ate 6 pieces of the cake.

   What fraction of the cake is left?

   Answer: _____

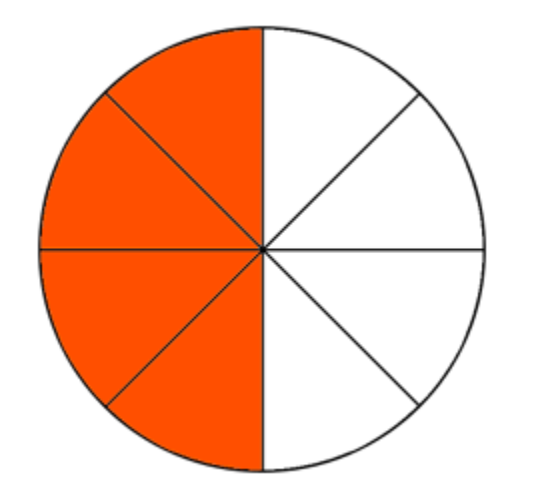
5. The numerator of a fraction is 2.

   The denominator of the fraction is three times its numerator.

   What fraction is it?

   Answer: _____

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



Answer: _____

7. Joe had 11 balls.

   He gave 5 balls to his friend.

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

Answer: _____

8. What is the denominator in the given fraction?

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

Answer: _____

SOLUTIONS

Problem 1

7 out of 9 squares in the figure are shaded.

So, the shaded area is $\frac{7}{9}$ of the figure.

Problem 2

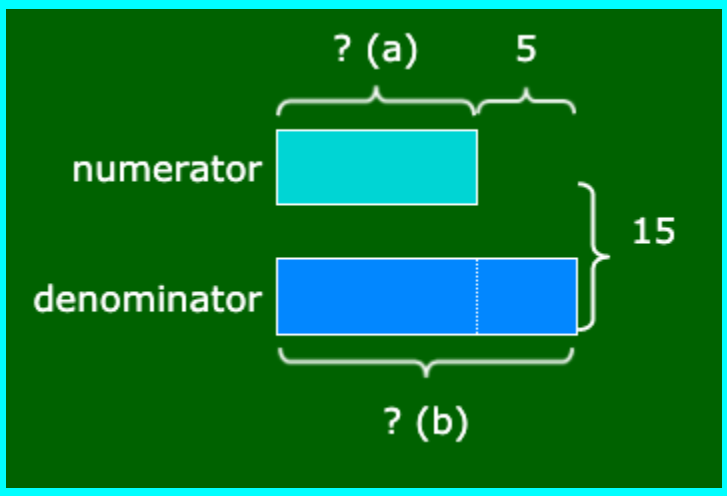
5 + 6 = 11

He has 11 toy cars altogether.

5 out of his 11 toy cars are red.

So, $\frac{5}{11}$ of his toy cars is red.

Problem 3



2 units = 15 − 5

= 10

1 unit = 5 (numerator)

5 + 5 = 10 (denominator)

So, the fraction is $\frac{5}{10}$.

Problem 4

10 − 6 = 4

4 out of the 10 pieces of the cake are left.

So, $\frac{4}{10}$ of the cake is left.

Problem 5

Denominator = Numerator × 3
= 2 × 3
= 6

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

Problem 6

_____4 out of 8 slices in the figure are shaded.

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

Problem 7

_____

He gave 5 out of the 11 balls to his friend.

So, he gave $\frac{5}{11}$ of the balls to his friend.

Problem 8

_____The bottom number in a fraction is the denominator.

In the given fraction, the denominator is 6.