What is a Fraction, Numerator and Denominator?

FREE Worksheet - 2

Time: 20 minutes

(Detailed solutions at the end)

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1. What is the numerator in the given fraction?

$$\frac{8}{10}$$

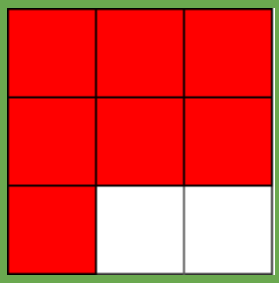
Answer: _____

2. Brian has 9 big marbles and 3 small marbles.

   What fraction of his marbles is big?

Answer: _____

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



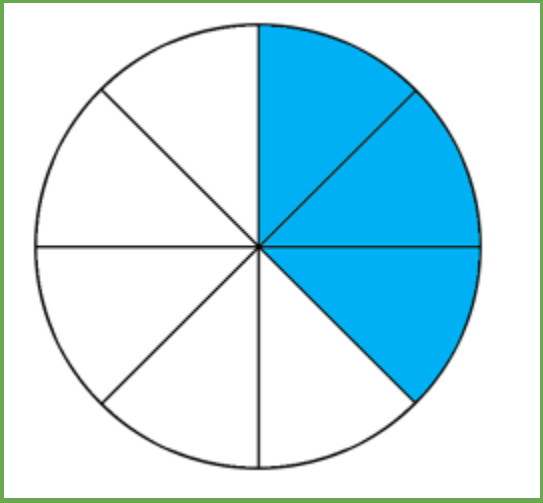
Answer: _____

4. The numerator of a fraction is 2.

   The denominator of the fraction is 3 times its numerator. What fraction is it?

Answer: _____

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



Answer: _____

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

Answer: _____

7. I am a fraction.

   The sum of my numerator and denominator is 17.

   My denominator is 5 more than my numerator.

   What fraction am I?

   Answer: _____

8. Herbert had 12 crayons.

   He gave 6 crayons to his sister.

   What fraction of the crayons did he give to his sister?

   Answer: _____

SOLUTIONS

Problem 1

The top number in a fraction is the numerator.

In the given fraction, the numerator is 8.

Problem 2

9 + 3 = 12

He has 12 marbles altogether.

9 out of his 12 marbles are big.

So, $\frac{9}{12}$ of his marbles is big.

Problem 3

7 out of 9 squares in the figure are shaded.

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

Problem 4

Denominator = Numerator × 3
= 2 × 3
= 6

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

Problem 5

3 out of 8 slices in the figure are shaded.

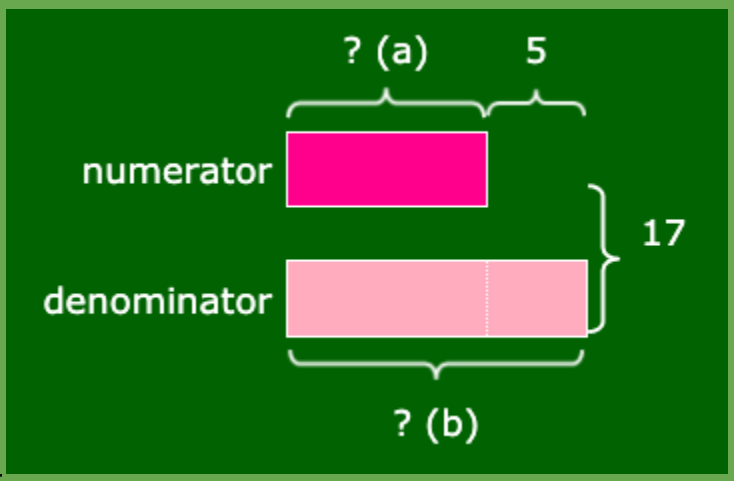
So, the shaded area is $\frac{3}{8}$ of the figure.

Problem 6

_____5 out of 8 parts in the figure are shaded.

So, the shaded area is $\frac{3}{8}$ of the figure.

Problem 7



2 units = 17 − 5

= 12

1 unit = 6 (numerator)

6 + 5 = 11 (denominator)

So, the fraction is $\frac{6}{11}$.

Problem 8

He gave 6 out of the 12 crayons to his sister.

So, he gave $\frac{6}{12}$ of the crayons to his sister.