



**THIRD SPACE
LEARNING**

Simplifying Fractions Worksheet

Number and Quantity
6.NS.B.4

Grades 6 to 8

Skill Questions

Name:

Date:

- 1 Write the fraction $\frac{3}{6}$ in simplest form.

Answer

- 2 Write the fraction $\frac{3}{15}$ in simplest form.

Answer

- 3 Write the fraction $\frac{4}{6}$ in simplest form.

Answer

- 4 Write the fraction $\frac{4}{20}$ in simplest form.

Answer

- 5 Write the fraction $\frac{5}{45}$ in simplest form.

Answer

Simplifying Fractions Worksheet | Grades 6 to 8

6 Write $\frac{12}{60}$ as a fraction in its simplest form.

Answer

7 Write $\frac{72}{90}$ as a fraction in its simplest form.

Answer

8 Write $\frac{210}{350}$ as a fraction in its simplest form.

Answer

9 Write $\frac{270}{630}$ as a fraction in its simplest form.

Answer

10 Write $\frac{110}{660}$ as a fraction in its simplest form.

Answer

Applied Questions

11 There are 60 red and blue counters in a bag. 21 of them are blue.

a Represent the fraction of blue counters as a simplified fraction.

Answer

b Tell what fraction of the counters are red.

Answer

12 Craig says “I can simplify the fraction $\frac{48}{100}$ to $\frac{24}{50}$ because 2 is the greatest common factor”. Is he correct? Explain.

Answer

13 Laura collected 36 marbles. She gave 14 of them to her sister. What fraction of the marbles did Laura have left? Give your answer in simplest form.

Answer

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- 14** In a class there are 12 girls and 18 boys. What fraction of the class are boys?
Give your answer in simplest form.

Answer

-
- 15** Of 600 people, 150 are left-handed. Write the number of people who are right handed as a fraction of the total number of people. Give your answer in its simplest form.

Answer

Answers

Question number	Question	Answers	Standard
1	Write the fraction $\frac{3}{6}$ in simplest form.	$\frac{1}{2}$	6.NS.B.4
2	Write the fraction $\frac{3}{15}$ in simplest form.	$\frac{1}{5}$	6.NS.B.4
3	Write the fraction $\frac{4}{6}$ in simplest form.	$\frac{2}{3}$	6.NS.B.4
4	Write the fraction $\frac{4}{20}$ in simplest form.	$\frac{1}{5}$	6.NS.B.4
5	Write the fraction $\frac{5}{45}$ in simplest form.	$\frac{1}{9}$	6.NS.B.4
6	Write $\frac{12}{60}$ as a fraction in its simplest form.	$\frac{1}{5}$	6.NS.B.4
7	Write $\frac{72}{90}$ as a fraction in its simplest form.	$\frac{4}{5}$	6.NS.B.4
8	Write $\frac{210}{350}$ as a fraction in its simplest form.	$\frac{3}{5}$	6.NS.B.4
9	Write $\frac{270}{630}$ as a fraction in its simplest form.	$\frac{3}{7}$	6.NS.B.4
10	Write $\frac{110}{660}$ as a fraction in its simplest form.	$\frac{1}{6}$	6.NS.B.4

Simplifying Fractions Worksheet | Grades 6 to 8 | Answers




Question number	Question	Answers	Standard
11	There are 60 red and blue counters in a bag. 21 of them are blue. a) Represent the fraction of blue counters as a simplified fraction. b) Tell what fraction of the counters are red.	a) $\frac{7}{20}$ b) $\frac{13}{20}$	6.NS.B.4
12	Craig says “I can simplify the fraction $\frac{48}{100}$ to $\frac{24}{50}$ because 2 is the greatest common factor”. Is he correct? Explain.	No because the greatest common factor is 4 and so the simplest fraction is $\frac{12}{25}$	6.NS.B.4
13	Laura collected 36 marbles. She gave 14 of them to her sister. What fraction of the marbles did Laura have left? Give your answer in simplest form.	$\frac{11}{18}$	6.NS.B.4
14	In a class there are 12 girls and 18 boys. What fraction of the class are boys? Give your answer in simplest form.	$\frac{3}{5}$	6.NS.B.4
15	Of 600 people, 150 are left-handed. Write the number of people who are right handed as a fraction of the total number of people. Give your answer in its simplest form.	$\frac{3}{4}$	6.NS.B.4

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