

# Simplifying Fractions Worksheet

Number and Quantity 6.NS.B.4

Grades 6 to 8

## **Skill Questions**

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



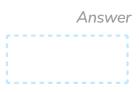
Write the fraction  $\frac{3}{15}$  in simplest form.



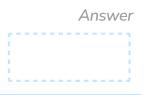
3 Write the fraction  $\frac{4}{6}$  in simplest form.



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



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



Simplifying	<b>Fractions</b>	Worksheet	Grades 6 to	o 8

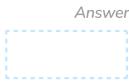
6 Write  $\frac{12}{60}$  as a fraction in its simplest form.

Answer

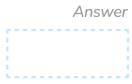
7 Write  $\frac{72}{90}$  as a fraction in its simplest form.



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



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



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 simp	olified fraction.	
		Answer	
	b Tell what fraction of the counters are red.		
		Answer	
12	Craig says "I can simplify the fraction $\frac{48}{100}$ to $\frac{24}{50}$ becommon factor". Is he correct? Explain.	ause 2 is the greatest	
		Answer	
13	Laura collected 36 marbles. She gave 14 of them to he of the marbles did Laura have left? Give your answer in		
		Answer	

#### Simplifying Fractions Worksheet | Grades 6 to 8

14	a class there are 12 girls and 18 boys. What fraction of the class are boys? we your answer in simplest form.		
		Answer	
15	Of 600 people, 150 are left-handed. Write the number of peoright handed as a fraction of the total number of people. Give its simplest form.	•	
		Answer	

#### **Answers**

Question number	Question	Answers	Standard
1	Write the fraction $\frac{3}{6}$ in simplest form.	1/2	6.NS.B.4
2	Write the fraction $\frac{3}{15}$ in simplest form.	<u>1</u> 5	6.NS.B.4
3	Write the fraction $\frac{4}{6}$ in simplest form.	2 3	6.NS.B.4
4	Write the fraction $\frac{4}{20}$ in simplest form.	<u>1</u> 5	6.NS.B.4
5	Write the fraction $\frac{5}{45}$ in simplest form.	1 9	6.NS.B.4
6	Write $\frac{12}{60}$ as a fraction in its simplest form.	<u>1</u> 5	6.NS.B.4
7	Write $\frac{72}{90}$ as a fraction in its simplest form.	<u>4</u> 5	6.NS.B.4
8	Write $\frac{210}{350}$ as a fraction in its simplest form.	<u>3</u> 5	6.NS.B.4
9	Write $\frac{270}{630}$ as a fraction in its simplest form.	3 7	6.NS.B.4
10	Write $\frac{110}{660}$ as a fraction in its simplest form.	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.	<u>11</u> 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.	<u>3</u> 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.	3 4	6.NS.B.4

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