Simplifying Fractions Worksheets

ANSWER / CASE 1

Reduce 6/18 to simplest form and state the common factor you remove.

1/3



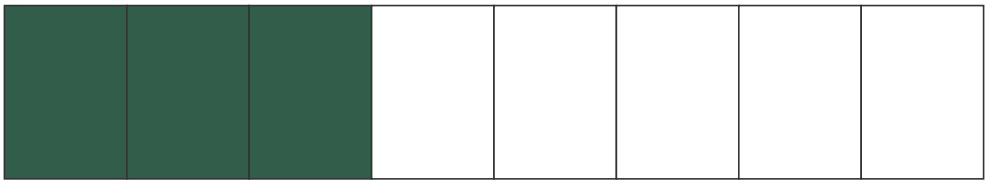
ANSWER: 1/3; divide numerator and denominator by 6.
1. The greatest common factor of 6 and 18 is 6.
2. Dividing both parts by the same nonzero number preserves the value.

Simplifying Fractions Worksheets

ANSWER / CASE 2

Reduce 9/24 to simplest form and state the common factor you remove.

3/8



ANSWER: 3/8; divide numerator and denominator by 3.
1. The greatest common factor of 9 and 24 is 3.
2. Dividing both parts by the same nonzero number preserves the value.

Simplifying Fractions Worksheets

ANSWER / CASE 3

Reduce 12/30 to simplest form and state the common factor you remove.

2/5



ANSWER: 2/5; divide numerator and denominator by 6.
1. The greatest common factor of 12 and 30 is 6.
2. Dividing both parts by the same nonzero number preserves the value.

Simplifying Fractions Worksheets

ANSWER / CASE 4

Reduce 15/36 to simplest form and state the common factor you remove.

5/12



ANSWER: 5/12; divide numerator and denominator by 3.
1. The greatest common factor of 15 and 36 is 3.
2. Dividing both parts by the same nonzero number preserves the value.