

Are You Ready?

Try the Quick Check below.
Or, take the Online Readiness Quiz.



Quick Review

Common Core Review 5.NF.3, 6.NS.4

Example 1

Write $\frac{12}{36}$ in simplest form.

Factors of 12: 1, 2, 3, 4, 6, 12

Factors of 36: 1, 2, 3, 4, 6, 9, 12, 18, 36

The GCF of 12 and 36 is 12.

$$\begin{aligned} \frac{12}{36} &= \frac{12 \div 12}{36 \div 12} && \text{Divide the numerator and the} \\ &= \frac{1}{3} && \text{denominator by the GCF.} \\ & && \text{Write in simplest form} \end{aligned}$$

Example 2

Find the least common multiple of 10 and 15.

The prime factorization of 10 is $2 \cdot 5$.

The prime factorization of 15 is $3 \cdot 5$.

The least common multiple of 10 and 15 is $2 \cdot 3 \cdot 5$, or 30.

Quick Check

Fractions in Simplest Form Write each fraction in simplest form. If the fraction is already in simplest form, write *simplified*.

1. $\frac{6}{30} = \frac{1}{5}$

2. $\frac{40}{50} = \frac{4}{5}$

3. $\frac{17}{36} =$ SIMPLIFIED
(17 IS A PRIME AND DOES NOT GO INTO 36)

4. $\frac{12}{80} = \frac{6}{40} = \frac{3}{20}$

5. $\frac{32}{64} = \frac{1}{2}$

6. $\frac{56}{71} =$ SIMPLIFIED
(71 IS A PRIME)

Least Common Multiple Find the least common multiple for each pair of numbers.

7. 3, 5 15

8. 6, 8 24

9. 12, 36 36

10. 10, 50 50

11. 14, 21 42

12. 30, 40 120

How Did You Do?

Which problems did you answer correctly in the Quick Check?
Shade those exercise numbers below.

- 1 2 3 4 5 6 7 8 9 10 11 12