MATHS · YEAR 6

Simplifying Fractions Practice

Find common factors and write fractions in their lowest terms.

Name: _____ Date: _____

Divide the numerator and denominator by the same common factor. Keep going until the fraction is in its lowest terms.

1. Simplify each fraction

Write your answer in the space.

1. $\frac{12}{18} =$ _____

2. $\frac{15}{25} =$ _____

3. $\frac{21}{28} =$ _____

4. $\frac{24}{36} =$ _____

5. $\frac{16}{40} =$ _____

6. $\frac{27}{45} =$ _____

7. $\frac{32}{48} =$ _____

8. $\frac{42}{56} =$ _____

2. Show a common factor

Then simplify fully.

9. $\frac{48}{72} \rightarrow$

Common factor: _____ Lowest terms: _____

10. $\frac{63}{81} \rightarrow$

Common factor: _____ Lowest terms: _____

11. $\frac{70}{98} \rightarrow$

Common factor: _____ Lowest terms: _____

12. $\frac{84}{126} \rightarrow$

Common factor: _____ Lowest terms: _____

3. Think it through

Aisha divides the numerator and denominator of $\frac{24}{36}$ by 2 and gets $\frac{12}{18}$. Has she simplified it to its lowest terms? Explain how you know, then write the fraction in its lowest terms.

_____

_____

_____

☐ Final check: no common factor greater than 1 divides both numbers.