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Math worksheet on *'Factoring - Simplifying Fraction Division with Factors - Composite to Factored (Level 1)'*. Part of a broader unit on *'Factoring, Multiplication, Division, Fractions - Practice'*

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1

$$\frac{5}{10} \div \frac{15}{18}$$

Use factorization to simplify. Invert and factor to show what factors in this fraction division can be cancelled out

a $\frac{5}{2 \times 5} \times \frac{3 \times 3}{3 \times 3 \times 13}$ **b** $\frac{5}{2 \times 5} \times \frac{2 \times 3 \times 3}{3 \times 5}$

2

$$\frac{20}{14} \div \frac{10}{2}$$

Use factorization to simplify. Invert and factor to show what factors in this fraction division can be cancelled out

a $\frac{2 \times 2 \times 5}{2 \times 7} \times \frac{2}{2 \times 5}$ **b** $\frac{2 \times 2 \times 5}{2 \times 7} \times \frac{2}{5}$

3

$$\frac{5}{15} \div \frac{10}{42}$$

Use factorization to simplify. Invert and factor to show what factors in this fraction division can be cancelled out

a $\frac{5}{3 \times 5} \times \frac{2 \times 3 \times 7}{2 \times 5}$ **b** $\frac{7}{5 \times 5} \times \frac{7 \times 3 \times 7}{2 \times 5}$

4

$$\frac{28}{2} \div \frac{70}{7}$$

Use factorization to simplify. Invert and factor to show what factors in this fraction division can be cancelled out

a $\frac{2 \times 2 \times 7}{2} \times \frac{7}{2 \times 5 \times 7 \times 7}$ **b** $\frac{2 \times 2 \times 7}{2} \times \frac{7}{2 \times 5 \times 7}$

5

$$\frac{4}{2} \div \frac{28}{10}$$

Use factorization to simplify. Invert and factor to show what factors in this fraction division can be cancelled out

a $\frac{2}{2} \times \frac{2 \times 13}{5 \times 2 \times 7}$ **b** $\frac{2 \times 2}{2} \times \frac{2 \times 5}{2 \times 2 \times 7}$

6

$$\frac{50}{18} \div \frac{5}{3}$$

Use factorization to simplify. Invert and factor to show what factors in this fraction division can be cancelled out

a $\frac{2 \times 2 \times 5}{2 \times 3 \times 3} \times \frac{3 \times 3}{5}$ **b** $\frac{2 \times 5 \times 5}{2 \times 3 \times 3} \times \frac{3}{5}$

7

$$\frac{2}{100} \div \frac{1}{70}$$

Use factorization to simplify. Invert and factor to show what factors in this fraction division can be cancelled out

a $\frac{2 \times 2}{13 \times 5 \times 11} \times \frac{2 \times 5 \times 5 \times 7}{1}$

b $\frac{2}{2 \times 2 \times 5 \times 5} \times \frac{2 \times 5 \times 7}{1}$