

# Maths Mastery

## Add and Subtract: Denominators That Are Multiples Challenge Cards

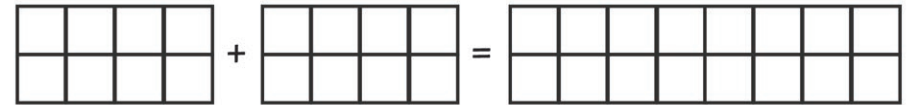


Maths Mastery - Add and Subtract: Denominators That Are Multiples

### Add With Same Denominator

1. Fill in the squares on the diagram below to represent the following sum:

$$\frac{7}{8} + \frac{5}{8} = \frac{12}{8}$$



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### Subtract With Same Denominator

2. Using an example, explain how to subtract two fractions with the same denominator.

Share your explanation with a partner. Can you improve your explanation?



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### Add: Denominators That Are Multiples

Check these addition calculations.

$$\frac{4}{5} + \frac{7}{10} = \frac{2}{8}$$

$$\frac{7}{8} + \frac{3}{4} = 1 \frac{5}{8}$$

$$\frac{5}{6} + \frac{7}{12} = 1 \frac{5}{12}$$

Correct any that are incorrect.

Create some of your own for a partner to check.

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## Add: Denominators That Are Multiples

Check these addition calculations.

$$\frac{9}{10} + \frac{7}{10} = \frac{2}{8}$$

Correct any that are incorrect.

$$\frac{5}{9} + \frac{11}{12} = 1 \frac{19}{36}$$

Create some of your own for a partner to check.

$$\frac{5}{8} + \frac{7}{10} = 1 \frac{13}{40}$$

## Subtract: Denominators That Are Multiples

Check these subtraction calculations.

$$\frac{4}{5} - \frac{3}{10} =$$

$$\frac{5}{8} - \frac{1}{2} =$$

$$\frac{5}{6} - \frac{1}{3} =$$

$$\frac{3}{7} - \frac{4}{21} =$$

Find pairs of proper fractions with different denominators that have a difference of  $\frac{1}{2}$