

Set: Wednesday 17th January Due in: Tuesday 23rd January

This week we have been learning to solve fractions problems using the four operations where the fractions have different denominators.

To support our learning this week, we would like the children to complete the activities overleaf. The activities linked directly to the revision guide pages 25 and 26.

Our rock star times tables focus for next week will be the 6, 7 and 9 times tables.

Parent feedback

Equivalent fractions

To achieve 100 you need to:

- recognise and use equivalent fractions
- find equivalent fractions with lower denominators
- rewrite a pair of fractions so they share the same denominator.

1 Draw lines to join the equivalent fractions.

$$\frac{2}{3} \quad \frac{75}{100}$$

$$\frac{3}{4} \quad \frac{3}{18}$$

$$\frac{2}{5} \quad \frac{8}{12}$$

$$\frac{1}{6} \quad \frac{40}{100}$$

2 $\frac{3}{5} = \frac{15}{\square}$

3 Simplify the fractions $\frac{5}{20}$ and $\frac{9}{12}$ so they have the **same** denominator.

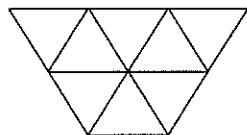
4 Circle the fractions of a metre that are **not** equivalent to 40 cm.

$$\frac{4}{10} \text{ m} \quad \frac{4}{100} \text{ m} \quad \frac{2}{5} \text{ m} \quad \frac{40}{100} \text{ m} \quad \frac{1}{4} \text{ m}$$

5 Rewrite each of these fractions so that they all have the **same** denominator.

$$\frac{1}{2} \frac{\square}{\square} \quad \frac{2}{5} \frac{\square}{\square} \quad \frac{3}{4} \frac{\square}{\square}$$

6 Shade the diagram to show a fraction that is equivalent to $\frac{15}{24}$



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Adding and subtracting fractions

To achieve 100 you need to:

- add and subtract fractions with the same denominator, using mixed numbers where appropriate for the context
- add and subtract fractions with denominators that are multiples of the same number, and become more confident with more complex calculations.

1 $1\frac{4}{5} - \frac{2}{5} = \square$

2 $1\frac{3}{5} - \frac{4}{5} = \square$

3 $\square = \frac{2}{3} + \frac{5}{6}$

4 $\frac{3}{4} + \square + \frac{1}{2} = 2$

5 Draw lines to match these calculations with their answers.

$1\frac{5}{8} - \frac{3}{4}$	$3\frac{1}{2}$
$1\frac{3}{4} - 1\frac{1}{12}$	3
$1\frac{3}{5} + \frac{7}{10} + \frac{7}{10}$	$\frac{7}{8}$
$2\frac{5}{6} + \frac{2}{3}$	$\frac{2}{3}$

6 There is $\frac{3}{4}$ litre of water in a jug.

Jack pours in a further $\frac{3}{8}$ litre of water.

How much water is in the jug altogether?

Write your answer as a mixed number. litres

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Help tip
Use your multiplication facts to help find equivalent fractions.