28.01.21

# TBQ: Can I add fractions?

STEPS TO SUCCESS

I can identify the denominator and numerator in a fraction.

I can explain what happens to the denominator when we add fractions.

I can show this pictorially (with a picture).

## Activating Prior Knowledge


What have you learnt about fractions so far this week?

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Mental starter


Go on TTRockstars and practise your times tables for 10 minutes.
How quickly can you answer the questions?

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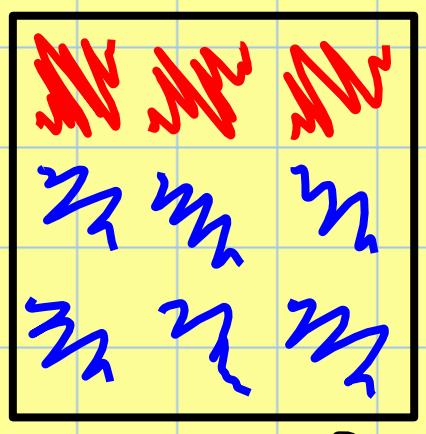
AfL


How may different ways can make 9/9 (1 whole)?



$\frac{3}{9} + \frac{6}{9} = \frac{9}{9}$

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AfL

What fractions are shown by the pictorials?
Fill in the blank blue spaces.

(a) $\frac{1}{3}$ and ☐ make 1.

(b) ☐ and ☐ make 1.

(c) ☐ and ☐ make 1.

(d) ☐ and ☐ make 1.

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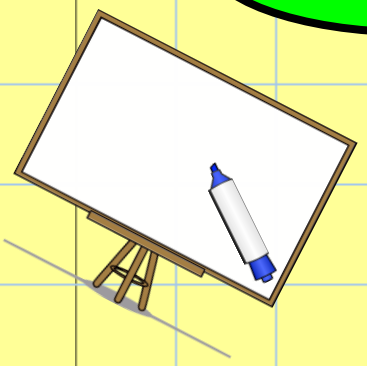
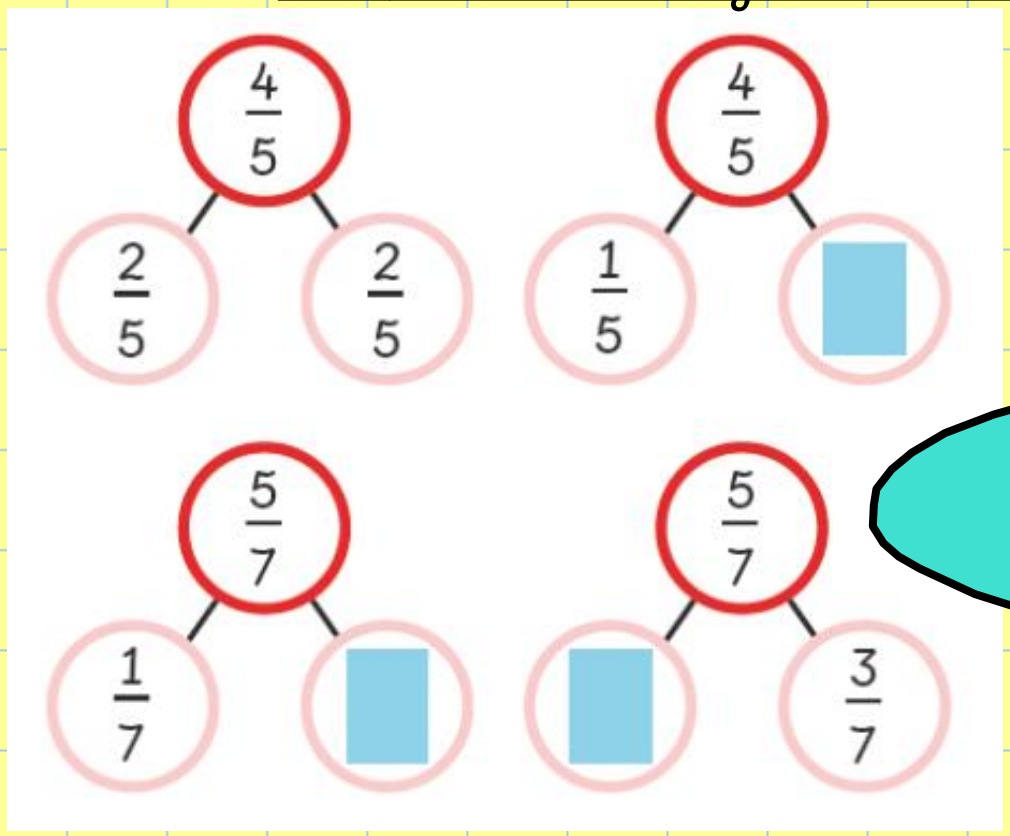
Modelling






Can you complete these part-whole models with the missing fractions? Check the whole carefully!

Modelling

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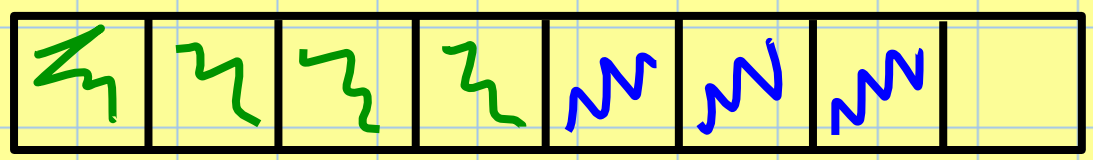
So, when we add fractions, the **denominator** stays the same!

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



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Modelling

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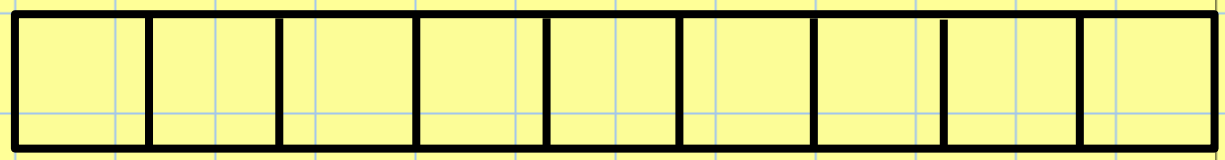
So, when we add fractions, the **denominator** stays the same!

$$\frac{3}{9} + \frac{2}{9} = \frac{\quad}{\quad}$$



There is a video link below to show you another example!

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Modelling

# Chilli Challenge

## Mild

1) $\frac{3}{7} + \frac{2}{7} =$

2) $\frac{2}{5} + \frac{2}{5} =$

3) $\frac{1}{5} + \frac{3}{5} =$

4) $\frac{2}{6} + \frac{3}{6} =$

5) $\frac{4}{8} + \frac{2}{8} =$

6) $\frac{4}{7} + \frac{3}{7} =$

## Hot

1) $\frac{3}{7} + \frac{2}{7} =$

2) $\frac{2}{5} + \frac{2}{5} =$

3) $\frac{1}{5} + \frac{3}{5} =$

4) $\frac{2}{6} + \frac{3}{6} =$

5) $\frac{4}{8} + \frac{2}{8} =$

6) $\frac{4}{7} + \frac{3}{7} =$

7) $\frac{6}{9} + \frac{2}{9} =$

8) $\frac{5}{8} + \frac{2}{8} =$

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

## Flaming Hot

1) $\frac{5}{9} + \frac{4}{9} =$

2) $\frac{5}{8} + \frac{2}{8} =$

3) $\frac{3}{9} + \frac{5}{9} =$

4) $\frac{5}{12} + \frac{6}{12} =$

5) $\frac{8}{14} + \frac{5}{14} =$

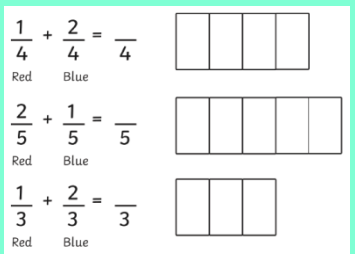
6) $\frac{7}{12} + \frac{4}{12} =$

7) $\frac{9}{15} + \frac{4}{15} =$

8) $\frac{7}{16} + \frac{8}{16} =$

9) $\frac{3}{15} + \frac{5}{15} + \frac{4}{15} =$

Draw the bar model on paper to help you, remembering to split your bar into the number shown by the **denominator**.



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How did you find your learning today?

How confident do you feel with the adding fractions?