Arithmetic

Before you begin, practise your times tables on Time Tables Rockstars for 20 minutes.

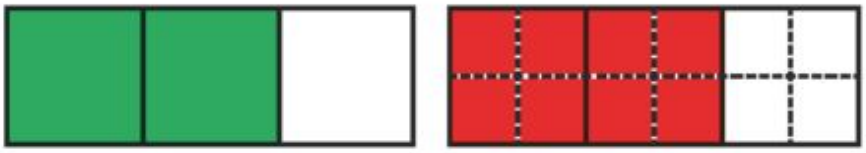
Finding Equivalent Fractions

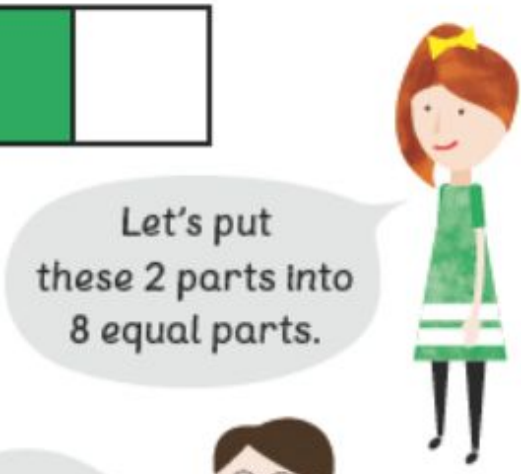
Lesson 11

In Focus

Is it possible to write $\frac{2}{3}$ as $\frac{8}{\square}$?

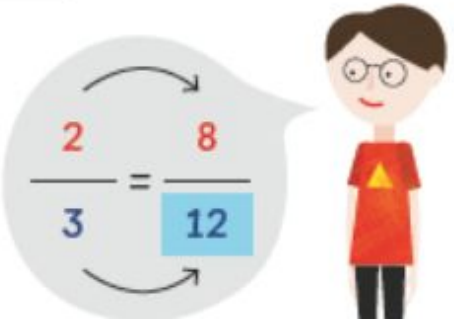
Let's Learn





The 2 parts become 8 equal parts.
Each part is a twelfth.

$\frac{2}{3} = \frac{8}{12}$



2/3 is one whole split into 3 equal parts. This is shown in the first bar. 2 equal parts have been coloured green. Therefore, this bar represents 2/3
However, We need to write 2/3 as 8/?
What do you notice?
Our numerator has changed from 2 to 8.
What has our numerator been multiplied by to go from 2 to 8?
It has been multiplied by 4.
If our numerator has been multiplied by 4. What must we do our denominator?
Brilliant, we must also multiply it by 4.
So 3 x 4 = 12. So our missing denominator is 12.
This makes our fraction 8/12.
This is represented in the second bar.
It has been equally split into 12 parts and 8 of equal parts have been coloured red.

Guided Practice

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1 Find the missing denominator.

$\frac{3}{5}$

$\frac{3}{5} = \frac{6}{10}$

2 Find the missing denominator.

(a) $\frac{1}{2} = \frac{6}{12}$ (b) $\frac{2}{3} = \frac{6}{9}$ (c) $\frac{3}{4} = \frac{6}{8}$

Worksheet 11

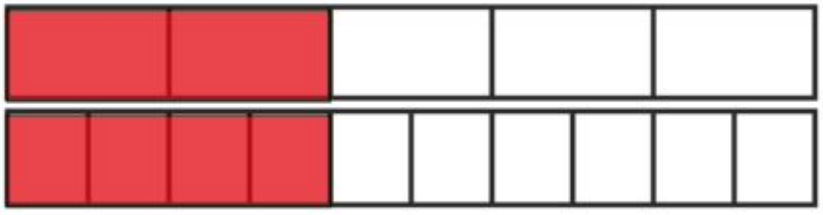
Finding Equivalent Fractions

1 Find the missing denominators.
Shade the bars to find the answers.

(a)

$\frac{2}{3} = \frac{6}{?}$

(b)



$\frac{2}{5} = \frac{4}{?}$

2 Fill in the blanks.

a)

x ___

$\frac{4}{5} = \frac{8}{?}$

x ___

b)

x ___

$\frac{3}{4} = \frac{6}{?}$

x ___

c) $\frac{5}{6} = \frac{10}{?}$

d) $\frac{2}{3} = \frac{8}{?}$