Complete these calculations MENTALLY. Explain your method for each question.

4802 + 2200 =

8201 + 8204 =

7701 - 2702 =

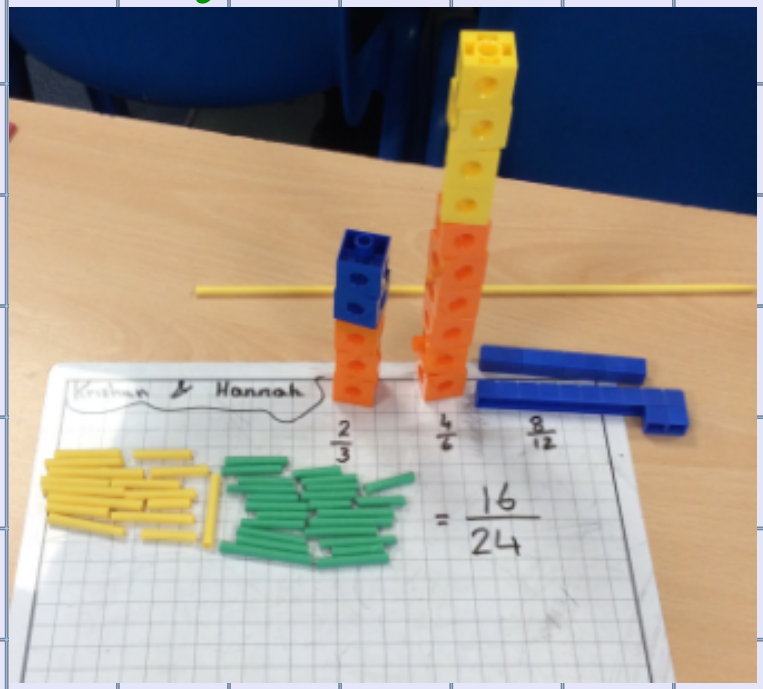
8025 - 3999 =

Recap: What do the images show?

talk

Equivalent



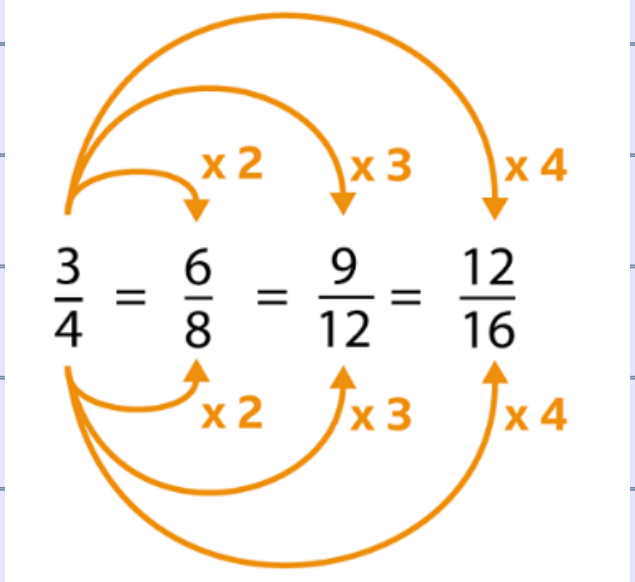


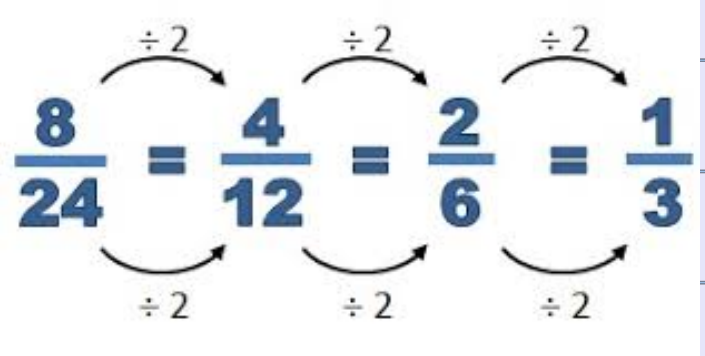
What do we mean by an equivalent fraction?



Equivalent fractions are the fractions that have different numerator and denominator but are equal to the same value.

You can produce lots of equivalent fractions by multiplying or dividing the top and bottom by the same number.





What fractions are equivalent to $\frac{4}{5}$?

I do

$\frac{20}{25}$

$\frac{4}{5} = \frac{8}{10}$ (×2)

$\frac{4}{5} = \frac{12}{15}$ (×3)

What fractions are equivalent to $\frac{6}{8}$?

we do

$\frac{6}{8} \div 2 = \frac{3}{4}$

$\frac{3}{4} \times 2 = \frac{6}{8}$

$\frac{36}{48}$

$\frac{18}{24}$

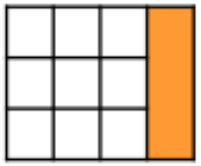
$\frac{48}{64}$

What fractions are equivalent to $\frac{5}{6}$?

you do

we do

1. Arrange the loop cards so that each fraction is matched to an equivalent fraction. Complete the incomplete fractions and fill in the blank card to finish the loop.

$\frac{25}{\square}$		$\frac{6}{18}$		$\frac{24}{30}$	$\frac{5}{8}$
$\frac{\square}{21}$		$\frac{12}{20}$		$\frac{18}{24}$	
	$\frac{2}{7}$	$\frac{21}{30}$			

Explain your method.

we do

2. Clare and Barney need to find an exit route for the maze below. They can travel up, down, left, right and diagonally to equivalent fractions. Barney must start and end on a shaded square. Clare must start and end on a white square.



Barney

Barney start? → $\frac{36}{54}$ $\frac{5}{9}$ $\frac{4}{6}$ $\frac{16}{24}$ $\frac{24}{36}$ → Exit?

Clare start? → $\frac{20}{30}$ $\frac{32}{48}$ $\frac{12}{18}$ $\frac{28}{42}$ $\frac{24}{56}$ → Exit?



Clare

Barney start? → $\frac{5}{8}$ $\frac{9}{21}$ $\frac{18}{42}$ $\frac{20}{28}$ $\frac{12}{28}$ → Exit?

Clare start? → $\frac{3}{7}$ $\frac{6}{15}$ $\frac{6}{14}$ $\frac{15}{35}$ $\frac{27}{63}$ → Exit?

Prove it!