KS: I can use a fraction wall and my times tables to find equivalent fractions

Use the fraction wall to complete the equivalent fractions.

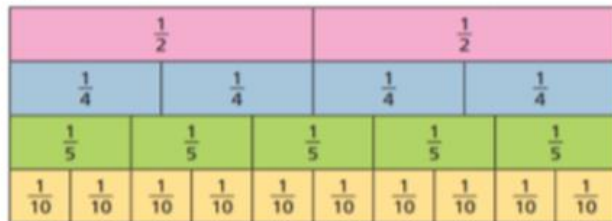| $\frac{1}{3}$			$\frac{1}{3}$			$\frac{1}{3}$		
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$

a) $\frac{1}{3} = \frac{\boxed{2}}{6}$

b) $\frac{1}{3} = \frac{\boxed{3}}{9}$

c) $\frac{2}{3} = \frac{4}{\boxed{6}}$

d) $\frac{2}{3} = \frac{6}{\boxed{9}}$

e) $\frac{4}{6} = \frac{6}{\boxed{9}}$

f) $\frac{1}{3} = \frac{\boxed{2}}{6} = \frac{\boxed{3}}{9}$

Use the fraction wall to decide whether the fractions are equivalent or not.

$\frac{1}{2}$					$\frac{1}{2}$				
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$			
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

Complete the sentences using **is** or **is not**.

a) $\frac{1}{2}$ _____**is**_____ equivalent to $\frac{2}{4}$

b) $\frac{1}{4}$ _____**is not**_____ equivalent to $\frac{2}{10}$

c) $\frac{1}{2}$ _____**is**_____ equivalent to $\frac{5}{10}$

Use your times tables to fill in the missing numerators or denominators:
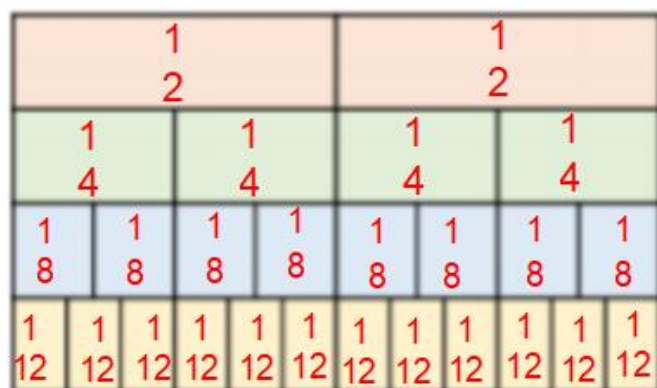
1) $\frac{1}{4} = \frac{2}{8}$

2) $\frac{2}{4} = \frac{10}{20}$

3) $\frac{1}{3} = \frac{5}{15}$
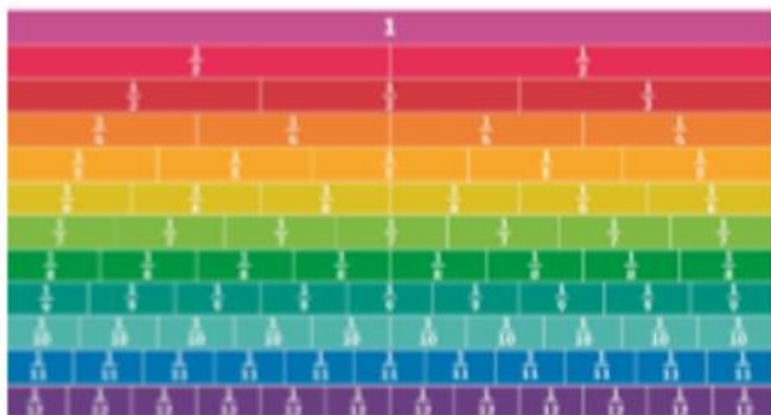
Fill in the fraction wall and then use this information to complete the equivalent fractions:

$\frac{1}{2}$				$\frac{1}{2}$			
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$				$\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$			

$$\frac{1}{2} = \frac{2}{4} = \frac{4}{8} = \frac{6}{12}$$

$$\frac{1}{4} = \frac{2}{8} = \frac{3}{12}$$

Use the fraction wall to answer true or false to the following statements:

a) Two quarters is equivalent to one half <u>T</u>/F

b) Four sixths is equivalent to two thirds <u>T</u>/F

c) Three fifths is equal to eight tenths T/<u>F</u>

d) Six twenty-fourths is equal to one quarter <u>T</u>/F

e) One fifth is half of one tenth T/<u>F</u>

Use your times tables to complete the missing numerators/denominators:

1) $\frac{2}{9} = \frac{8}{36}$

2) $\frac{5}{7} = \frac{15}{21}$
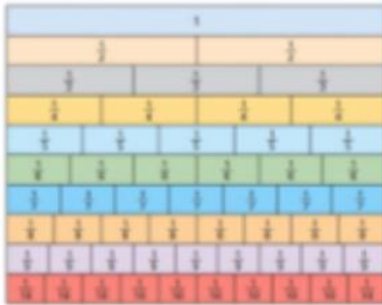
3) $\frac{1}{8} = \frac{4}{32}$

What fractions can you see
that are equivalent to $\frac{4}{6}$? $\frac{2}{3}$ $\frac{6}{9}$
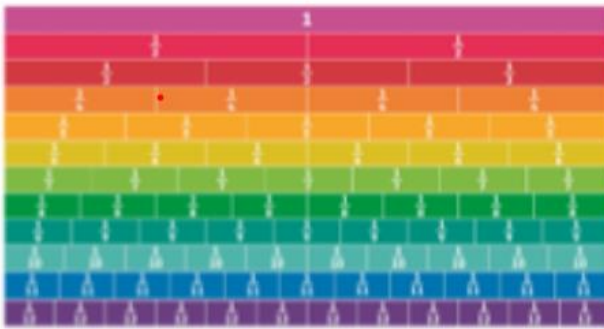
Always, sometimes, never.

If a fraction is equivalent to one half, the denominator is double the numerator.

Prove it.

Always, children could also think of the numerator as being half of the denominator.

Use the fraction wall to answer true or false to the following statements:

a) One eighth is half of one quarter T/F

b) One sixth is half of one third T/F

c) One third is half of one sixth T/F

d) One tenth is half of one fifth T/F

e) One tenth is double one fifth T/F

Use your times tables to find the equivalent fractions:

1) $\frac{8}{10} = \frac{32}{40}$

2) $\frac{4}{9} = \frac{12}{27}$

3) $\frac{7}{12} = \frac{35}{60}$

4) Find an equivalent fraction for $\frac{2}{3}$ by using your times tables.