Canonbury Home Learning
Year 3 Maths
Steppingstone activity

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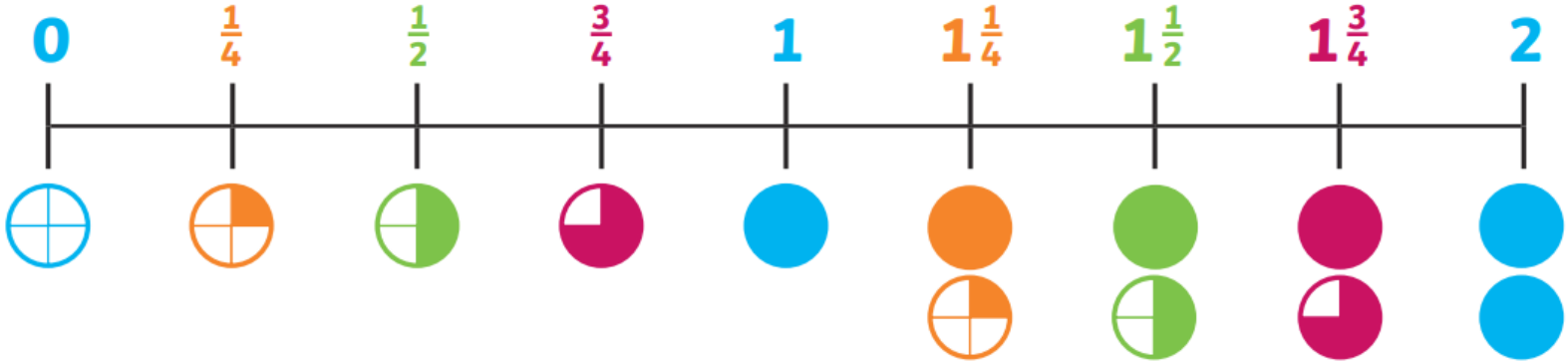
Lesson 38 LO: To count in fractions (quarters)

1. Say the fractions out loud and listen to the pattern
2. Fill in the missing parts of the caterpillars, use the number line to help if you need.

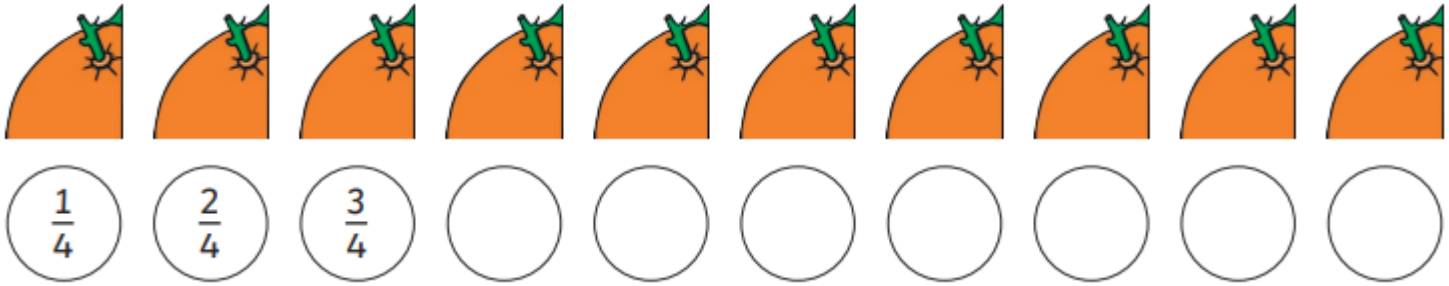
Model:

Here is how we can count in quarters:



Follow the number line and count out loud.
Can you see and hear a pattern?
Now carry on counting in quarters up to 4.

Now you try: Count the quarters to work out how many whole oranges there are altogether:



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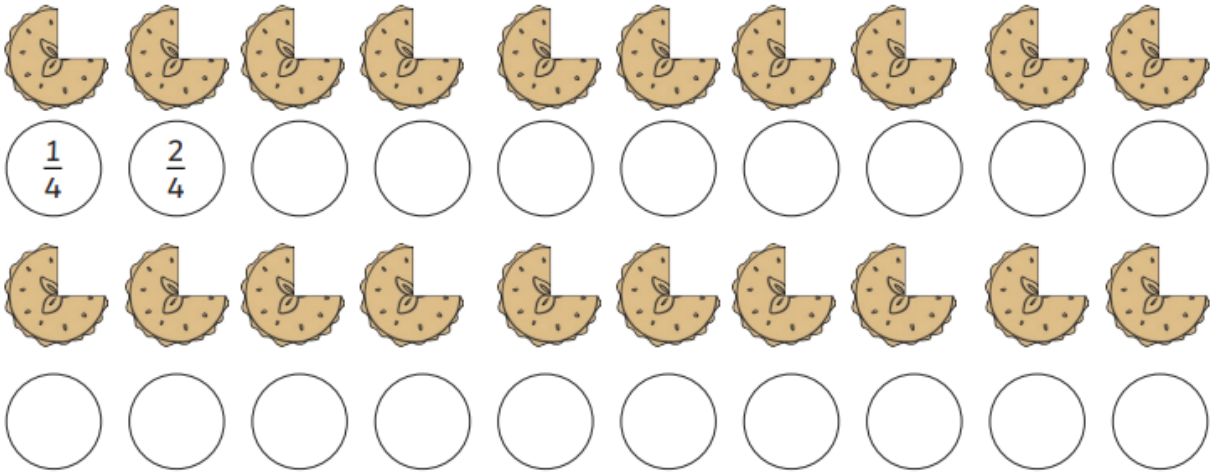
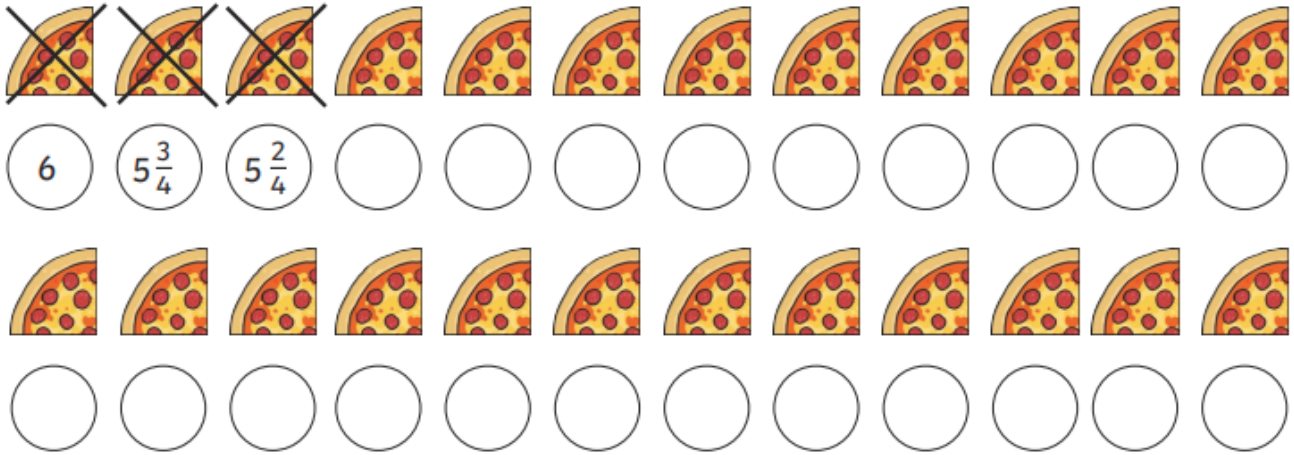
Steppingstone activity

1 Roger Rabbit can hop $\frac{1}{4}$ metre each time he hops. He takes 14 hops. How far has he hopped in total?

2 Granny made 14 different pies for the cake stall. $\frac{1}{4}$ of each pie was sold by morning tea. How much pie was sold in total?



3 I have 6 pizzas. I have cut them all in quarters and I eat 12 quarters. Cross out each slice of pizza eaten and count back to show how many quarters are left.



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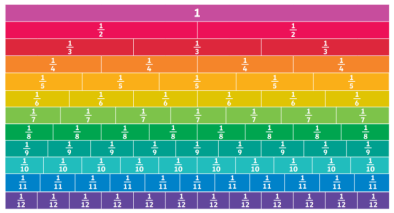
Year 3 Maths **Lesson 38**

LO: To compare fractions

Success Criteria:

Use the fraction wall on the last page to help with comparing fractions to find equivalents

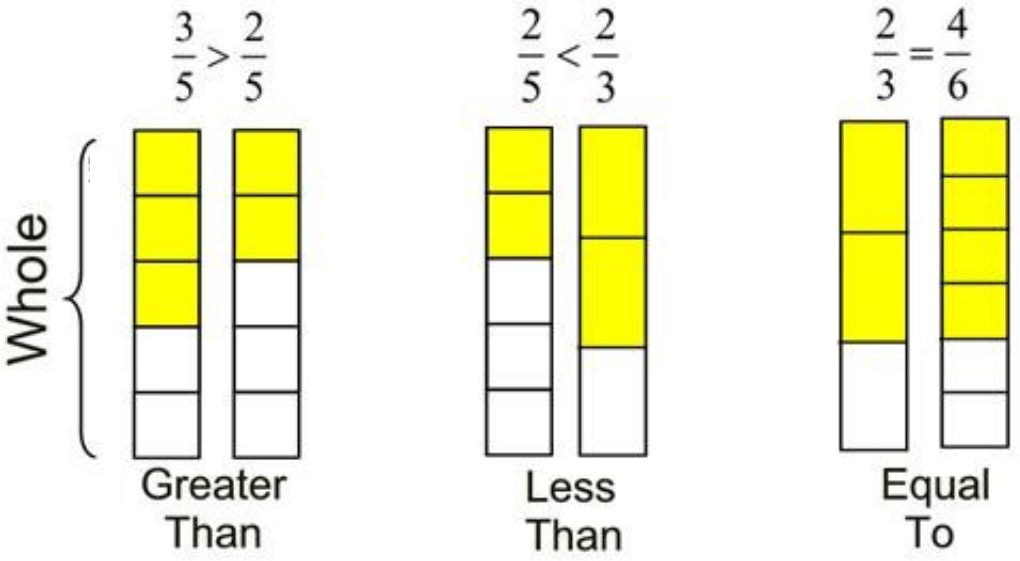


1. Look at both fractions.
2. Draw a bar model and colour the numerator in. Or use a fraction wall to help.
3. Compare which bar has the biggest amount coloured.
4. Draw the crocodile or equal sign in between the fraction (the crocodile's mouth always faces the bigger amount)

Today we will be **comparing** fractions.

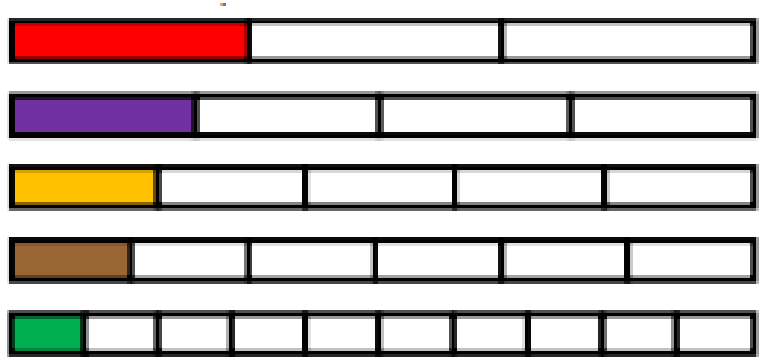
The fraction wall and bar models can help with this.

Model:



Now you try:

Use >, < or = to compare fractions. Use the bar models to help here:



$\frac{1}{10} \bigcirc \frac{1}{4}$ $\frac{1}{3} \bigcirc \frac{1}{6}$ $\frac{1}{5} \bigcirc \frac{1}{4}$

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Year 3 Maths – Main activity

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Compare fractions

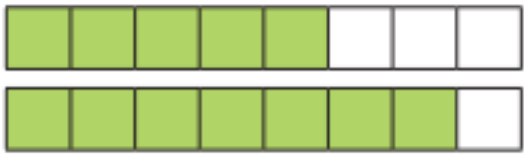
1 Write <, > or = to compare the fractions.

Use the bar models to help you.

a)

$\frac{5}{8}$ ◯ $\frac{3}{8}$

b)



$\frac{5}{8}$ ◯ $\frac{7}{8}$

c)

$\frac{5}{10}$ ◯ $\frac{7}{10}$

2 Write <, > or = to compare the fractions.

a) $\frac{1}{5}$ ◯ $\frac{3}{5}$

b) $\frac{2}{5}$ ◯ $\frac{2}{5}$

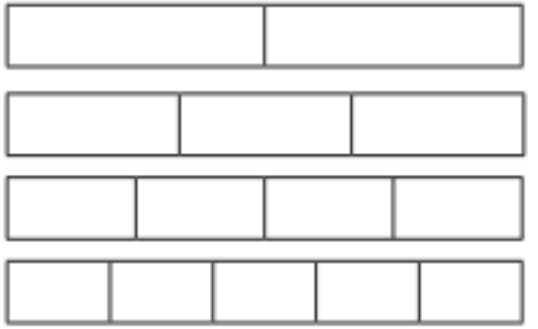
c) $\frac{2}{7}$ ◯ $\frac{6}{7}$

d) $\frac{6}{7}$ ◯ $\frac{2}{7}$

e) $\frac{6}{13}$ ◯ $\frac{12}{13}$

f) $\frac{13}{15}$ ◯ $\frac{13}{15}$

3 Here are some bar models.



$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{4}$

$\frac{1}{5}$

a) Shade the bar models to represent the fractions.

b) Write < or > to compare the fractions.

Use the bar models to help you.

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

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

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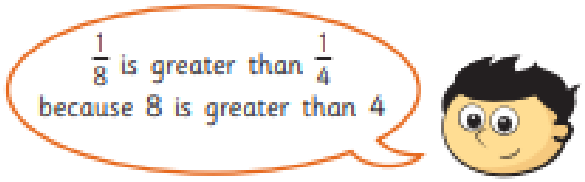
4 What could the missing numerators and denominators be?

Give three examples for each.

a) $\frac{1}{5} < \frac{\square}{5}$ $\quad \frac{1}{5} < \frac{\square}{5}$ $\quad \frac{1}{5} < \frac{\square}{5}$

b) $\frac{1}{5} < \frac{1}{\square}$ $\quad \frac{1}{5} < \frac{1}{\square}$ $\quad \frac{1}{5} < \frac{1}{\square}$

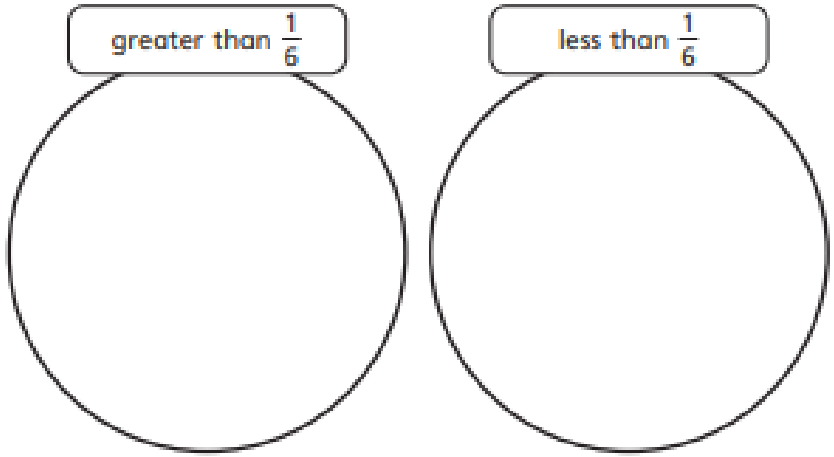
5 Jack is comparing fractions.



Draw bar models to show that Jack is wrong.

6 Sort the fractions into the circles.

$\frac{5}{6}$ $\frac{1}{8}$ $\frac{1}{2}$ $\frac{2}{6}$ $\frac{1}{12}$ $\frac{3}{6}$



7 Complete the sentences using the word bank.

numerator	denominator	greater	smaller

a) When fractions have the same denominator, the greater the _____, the _____ the fraction.

b) When fractions have the same numerator, the greater the _____, the _____ the fraction.

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Use this fraction wall to help when comparing fractions to find equivalents: