Summer term week 1 w/b 20th April 2020

FRACTIONS

While we are recapping on our calculation strategies I thought it would be good to add in a little something extra. When we left school, we were in the middle of our fraction topic. This week I have included a quick recap on what we already learnt then next week we will learn something new!
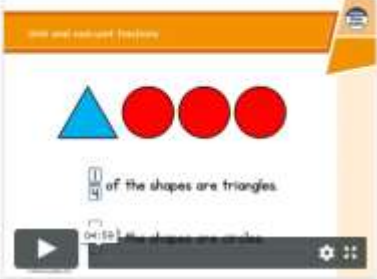
Fractions of shapes:

https://whiterosemaths.com/homelearning/year-3/

Click on week 1; lesson 1 and lesson 2: watch the videos then complete the activites.

Lesson 1 activity: Unit and non-unit fractions

1 Write fractions to complete the sentences.

⬤ ⬤ ⬤

a) ☐ of the counters are yellow.

b) ☐ of the counters are red.
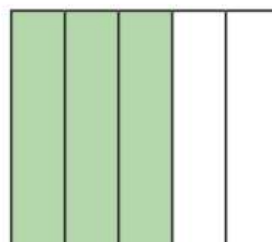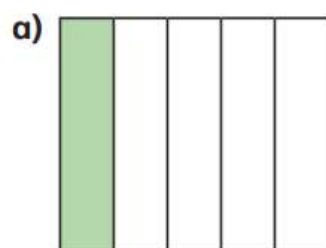
2 Write fractions to complete the sentences.

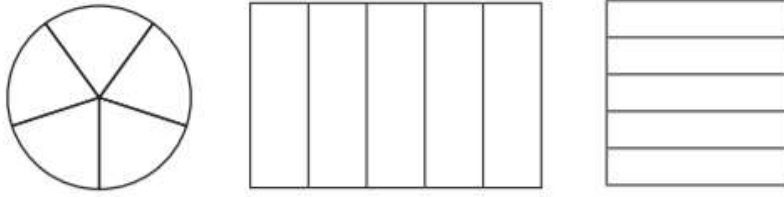a) ☐ of the tower is green.
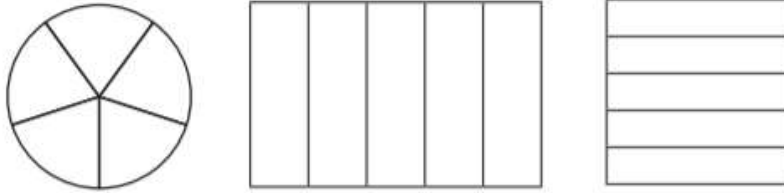
b) ☐ of the tower is yellow.

c) ☐ of the tower is blue.

3 What fraction of each shape is shaded?

a)

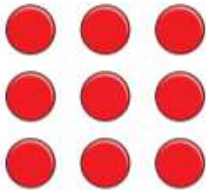**4** **a)** Colour $\frac{1}{5}$ of each shape.

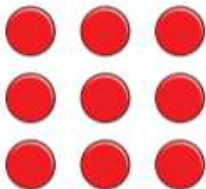**b)** Colour $\frac{3}{5}$ of each shape.

What is the same and what is different about your answers?

5 **a)** Circle $\frac{1}{3}$ of the counters.

b) Circle $\frac{2}{3}$ of the counters.
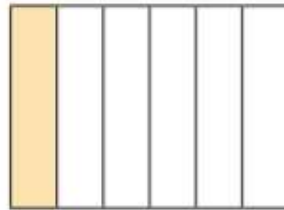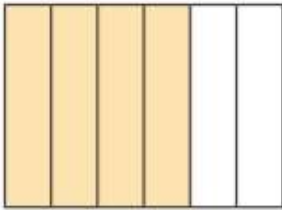

What is the same and what is different about your answers?
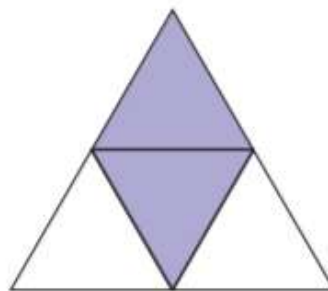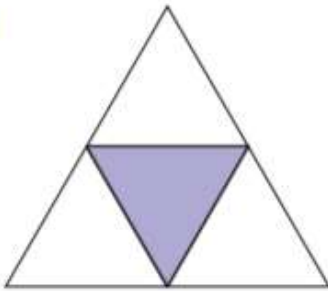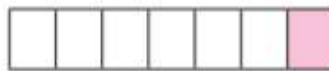
b)

☐   ☐

c)

☐   ☐

d)

☐   ☐

e)

☐   ☐
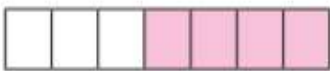
Tick the unit fraction in each pair of shapes.

How did you know which was the unit fraction?

6 Write the fractions in the table.

$$\frac{1}{6} \qquad \frac{2}{3} \qquad \frac{3}{4} \qquad \frac{1}{10} \qquad \frac{1}{8}$$

$$\frac{3}{5} \qquad \frac{1}{4} \qquad \frac{1}{99} \qquad \frac{6}{1} \qquad \frac{1}{250}$$

Unit fractions	Non-unit fractions

Write two more examples of your own in each column.

7 **a)** What is a unit fraction? What is a non-unit fraction?

Talk about it with a partner.

b) Complete the sentences.

An example of a unit fraction is ☐

The numerator is always ☐

An example of a non-unit fraction is ☐

The numerator is always greater than ☐

Lesson 2 activity: Making the whole

1 Here are some counters.

⬤ ⬤ ⬤ 🔴 🔴
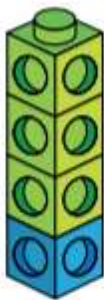
a) What fraction of the counters are yellow?

☐

b) What fraction of the counters are red?

☐

c) Complete the number sentence.

☐ + ☐ = ☐

2 Here is a tower of cubes.

a) What fraction of the tower is green?

☐

b) What fraction of the tower is blue?

☐

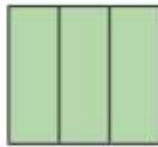c) Complete the number sentence.

☐ + ☐ = ☐

3 What fraction of each shape is shaded?

Which fraction represents a whole?

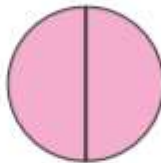Fill in the missing fractions.
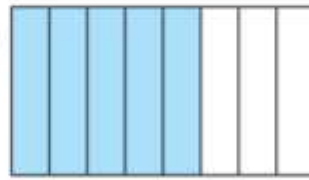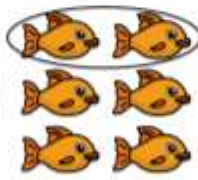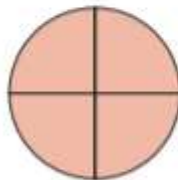
a)

☐ = one whole

☐ ☐ ☐

b)

☐ = one whole

☐ ☐

4 Here are some pictures.

Use the pictures to help you answer the questions.

a) Write three fractions that are less than one whole.

☐ ☐ ☐

b) Write three fractions that are equal to one whole.

☐ ☐ ☐

What do you notice? Talk about it with a partner.

5 Choose a phrase to complete the sentences.

| greater than | less than | equal to |

When the numerator is _____ the denominator, the fraction is less than one whole.

When the numerator is _____ the denominator, the fraction is equal to one whole.

6 Circle the fractions that are equivalent to one whole

$\frac{3}{5}$　　$\frac{4}{4}$　　$\frac{6}{10}$　　$\frac{2}{2}$

$\frac{10}{10}$　　$\frac{8}{9}$　　$\frac{3}{3}$　　$\frac{5}{5}$

7 Here are $\frac{1}{3}$ of Jack's marbles.

Draw the rest of Jack's marbles in the bar model.

8 $\frac{2}{7}$ of a group of children are girls.

What fraction are boys?

[ ] are boys.

9 Each bar model is worth one whole.

Split the bar model and label the missing fractions.

$\frac{1}{4}$	

$\frac{1}{5}$	$\frac{1}{5}$	

$\frac{7}{10}$	

10 Complete the number sentences.

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

c) $\boxed{} = \frac{2}{7} + \frac{5}{7}$

b) $\boxed{} + \frac{4}{10} = 1$

d) $\frac{9}{9} = \boxed{} + \frac{5}{9}$