

$$\frac{4}{?} = \frac{2}{3}$$

$$\frac{2}{16} = \frac{?}{8}$$

HELLO!

Today we are going to revise fractions

$$\frac{4}{6} = \frac{8}{?}$$

Use the space under each question to show your working out.

Arithmetic Warm Up

Decimals

1. $13.4 + 1.02 + 0.6 =$

3. $12.6 \times 4 =$





2. $25 - 2.01 =$

4. $86.4 \div 100 =$

Revision on Fractions

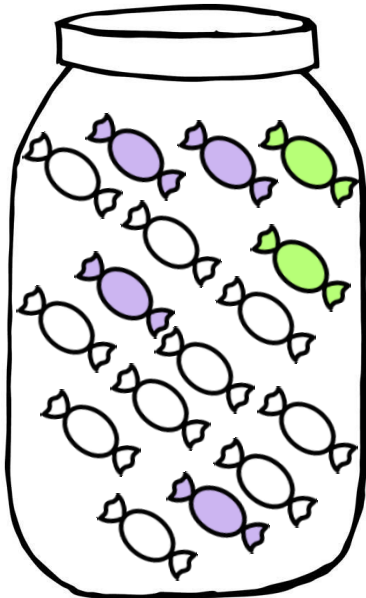
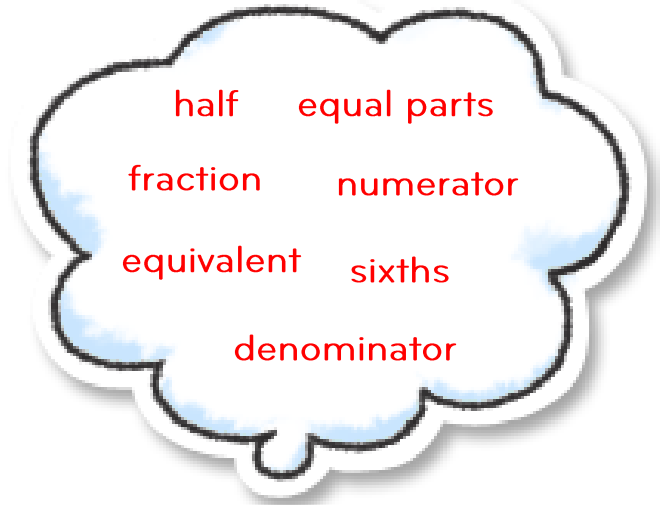
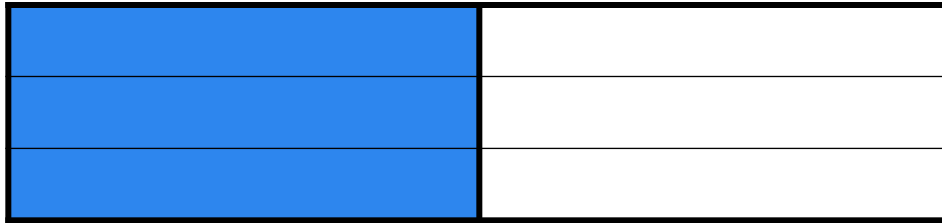
Today we are going to revise how to:



-  identify fractions of shapes and quantities and find fractions of an amount
-  find equivalent fractions to help order and compare fractions
-  represent fractions as improper or mixed numbers
-  add and subtract fractions with different denominators.

Revision: Fractions of shapes and quantities

1. Describe this shape. Use the words in red to help you.




2. What fraction of the sweets are purple?

3. What fraction of the sweets are green?


Question 1

 Complete

 What do you notice?

Pritom has a bag that contains 7 blue marbles and 14 red marbles only.




What do you know? 

What fraction of the marbles in the bag are blue?

 Can you show your working out?



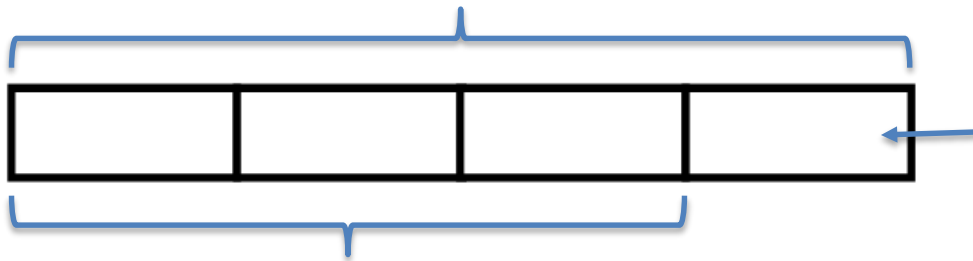
How could you extend the question? 

Revision: Fractions of amounts

1. Find $\frac{3}{4}$ of 36

1) This whole bar represents 36

2) It has been split into 4 equal parts (quarters)
– why?



3) What number would go in each part in order to make the whole bar 36?

4) Each part is a quarter of 36, but you want to know how much is three quarters ($\frac{3}{4}$) of 36.

So, $\frac{3}{4}$ of 36 =

This relates to the rule 'divide by the denominator and multiply by the numerator' – how?



Revision: Fractions of amounts

1. Find $\frac{1}{3}$ of 120

2. Find $\frac{5}{6}$ of 162


3. $\frac{1}{3}$ of a number is 12. What is the number?

4. $\frac{1}{10}$ of a number is 17. What is the number?

12		
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Question 2

 Complete


 What do you notice?

There are 96 children on a school trip


$\frac{5}{8}$ of them are girls.

How many girls are on the school trip?






What do you know? 

 Can you show your working out?

How could you extend the question? 

Let's review:



-  I can identify fractions of shapes.
-  I can identify fractions of quantities.
-  I can find a fraction of an amount.

How do you feel about what we've been doing?



Is there something you would like to go over?

Revision: Equivalent fractions

1. Complete the equivalent fraction using multiplication

$$\frac{5}{7} \xrightarrow{\times} \boxed{} = \frac{}{14} \xrightarrow{\times 2}$$

2. Complete the equivalent fraction using division

$$\frac{35}{40} \xrightarrow{\div} \boxed{} = \frac{}{8} \xrightarrow{\div}$$

3. Are these fractions equivalent? Why?

$$\frac{3}{4} \quad \frac{15}{20}$$

Revision: Ordering and comparing fractions

1. Which fraction is larger?

$$\frac{3}{5} \text{ or } \frac{2}{3}$$

2. Arrange these fractions from smallest to biggest.

$$\frac{2}{3}$$


$$\frac{7}{12}$$

$$\frac{3}{4}$$

$$\frac{1}{6}$$

Question 3

 Complete

 What do you notice?

Here are four fraction cards.

$$\frac{3}{4}$$

$$\frac{5}{8}$$


$$\frac{6}{12}$$

$$\frac{7}{16}$$


Use any **three** of the cards to make this correct.

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What do you know? 

 Can you show your working out?

How could you extend the question? 

Revision: Improper fractions and mixed numbers

Proper fractions are less than or equal to 1 whole:

$$\frac{3}{5} \quad \text{or} \quad \frac{1}{7}$$

When a fraction is more than 1 whole, it can be written as an **improper fraction** or a **mixed number**:

$$\frac{9}{6} = 1\frac{3}{6} = 1\frac{1}{2}$$



Check out these two bars – use them to explain why $\frac{9}{6}$ is the same as $1\frac{1}{2}$



Revision: Adding and subtracting fractions

-  1. Find a common multiple of: a) 3 and 4 b) 6 and 9

Now use these numbers to help you find equivalent fractions with the same denominator. Solve the calculations.

2. $\frac{1}{3} + \frac{3}{4} = \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

Write your answer
as a mixed
number.

3. $\frac{5}{6} - \frac{4}{9} = \frac{\boxed{}}{\boxed{}} - \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

Why can't you just add
the numerators together
when you have two
fractions with different
denominators?



Question 4



Complete

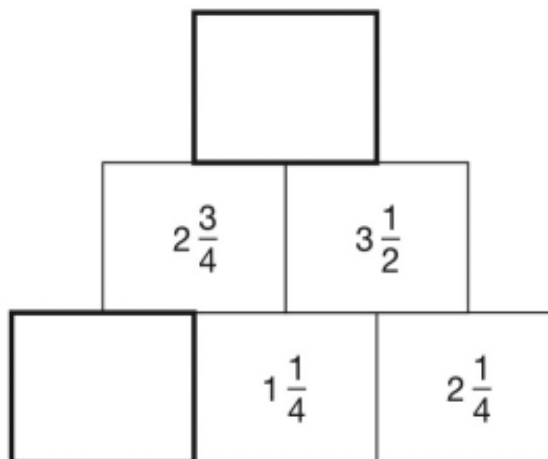


What do you notice?

18

In this diagram, the number in each box is the **sum** of the two numbers below it.

Write the missing numbers.



What do you know?






Can you show your working out?

How could you extend the question?

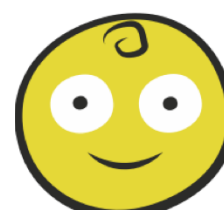




Let's review:

-  I can find equivalent fractions to help order and compare fractions
-  I can represent fractions as improper or mixed numbers
-  I can add and subtract fractions with different denominators

How do you feel about what we've been doing?



Is there something you would like to go over?