

Year 1 Maths Lesson

Teaching notes for adults:

The learning objective for today is:

- To be able to relate addition and subtraction number facts.

Use these slides to explain the concept of using known addition facts to solve subtractions (they found the bonds to 8 and 9 in Monday's and Tuesday's lessons and we have done lots of practise with number bonds to 10 in school - these are the known addition facts that they will use to find the subtraction facts).

You could also use counters to demonstrate the concept of adding and taking away.

Day 3: L.O. To be able to relate addition and subtraction number facts.

Ask your child to write number bonds to 8, e.g.

$$4 + 4 = 8$$

$$6 + 2 = 8$$

These are all addition number sentences.

We can use these number facts to help us make subtraction number sentences too.

Show children 6 pegs of one colour and 2 of another on a coat hanger.

How many pegs altogether?

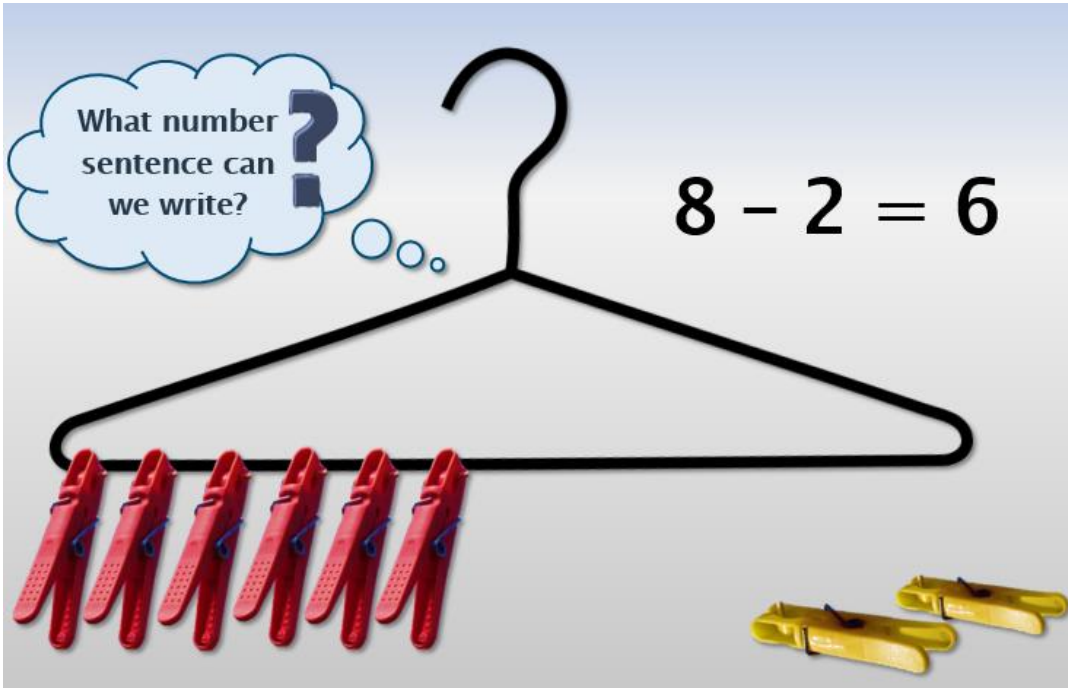
8

If I take the 2 yellow pegs off, how many will be left?

6



What number sentence can we write?

$$8 - 2 = 6$$


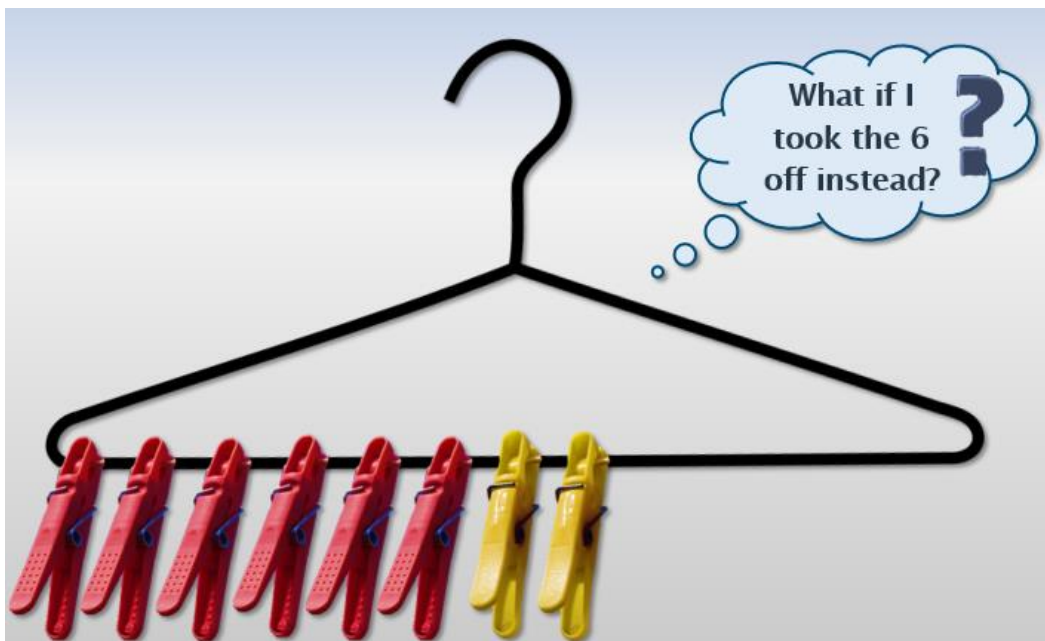
$$2 + 6 = 8$$

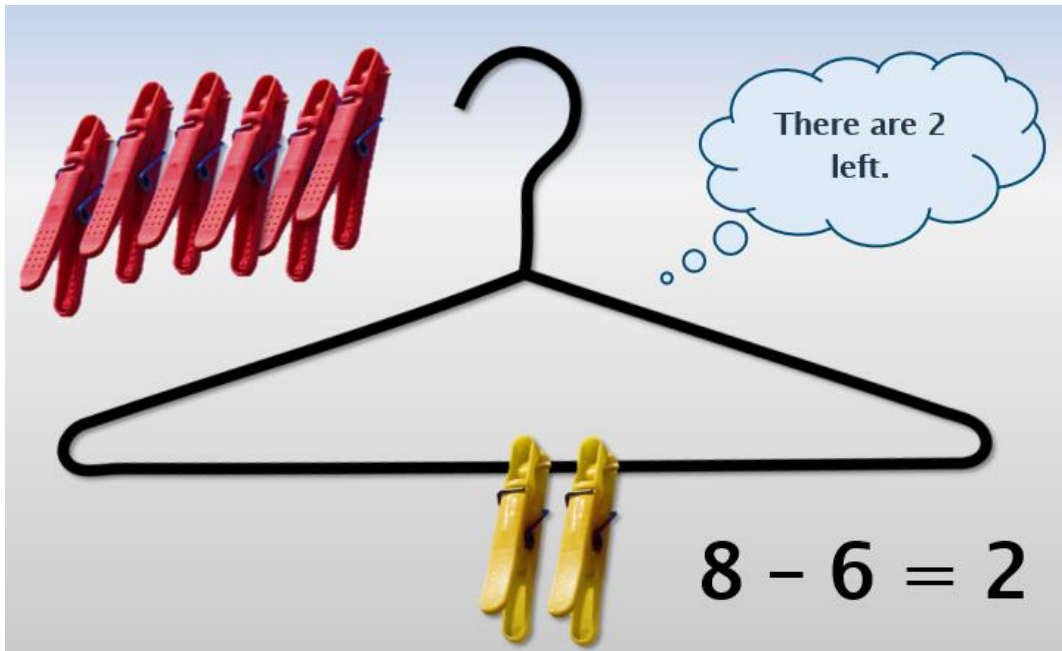
$$6 + 2 = 8$$

$$8 - 2 = 6$$

The numbers are the same as those in the addition number sentences. They have just been moved around.

What if I took the 6 off instead?





$2 + 6 = 8$

$6 + 2 = 8$

$8 - 2 = 6$

$8 - 6 = 2$

The numbers are the same as those in the addition number sentences. They have just been moved around.

We call these 4 number sentences a fact family.

Work with your child to create some more fact families using the bonds to 8 and 9 that they learnt on Monday and Tuesday before they move onto the worksheet below.

E.gs.

$$5 + 3 = 8$$

$$3 + 5 = 8$$

$$8 - 5 = 3$$

$$8 - 3 = 5$$

$$5 + 4 = 9$$

$$4 + 5 = 9$$

$$9 - 5 = 4$$

$$9 - 4 = 5$$

$$8 + 1 = 9$$

$$1 + 8 = 9$$

$$9 - 8 = 1$$

$$9 - 1 = 8$$

L.O. To be able to relate addition and subtraction number facts.

Relating addition and subtraction

Sheet 1

Knowing addition facts can help us to work out subtraction facts.

If we know $3 + 4 = 7$, then we know that $7 - 3 = 4$, or $7 - 4 = 3$.

Work out each addition. Use it to create a subtraction number sentence, e.g.

$$\begin{array}{c}
 \begin{array}{ccc} \text{cupcake} & \text{cupcake} & \text{cupcake} \end{array} + \begin{array}{ccc} \text{cupcake} & \text{cupcake} & \text{cupcake} \\ \text{cupcake} & \text{cupcake} & \text{cupcake} \end{array} = \boxed{9} \\
 \begin{array}{ccccc} \text{cupcake} & \text{cupcake} & \text{cupcake} & \text{cupcake} & \text{cupcake} \\ \text{cupcake} & \text{cupcake} & \text{cupcake} & \text{cupcake} & \text{cupcake} \end{array} - \begin{array}{ccc} \text{cupcake} & \text{cupcake} & \text{cupcake} \end{array} = \boxed{}
 \end{array}$$

$$\begin{array}{c}
 \begin{array}{ccc} \text{bun} & \text{bun} & \text{bun} \\ \text{bun} & \text{bun} & \end{array} + \begin{array}{ccc} \text{bun} & \text{bun} & \text{bun} \end{array} = \boxed{} \\
 \begin{array}{cccc} \text{bun} & \text{bun} & \text{bun} & \text{bun} \\ \text{bun} & \text{bun} & \text{bun} & \text{bun} \end{array} - \begin{array}{ccc} \text{bun} & \text{bun} & \text{bun} \\ \text{bun} & \text{bun} & \end{array} = \boxed{}
 \end{array}$$

$$\begin{array}{c}
 \begin{array}{cccccc} \text{gingerbread} & \text{gingerbread} & \text{gingerbread} & \text{gingerbread} & \text{gingerbread} & \text{gingerbread} \end{array} + \begin{array}{cc} \text{gingerbread} & \text{gingerbread} \end{array} = \boxed{} \\
 \begin{array}{cccccccc} \text{gingerbread} & \text{gingerbread} & \text{gingerbread} & \text{gingerbread} & \text{gingerbread} & \text{gingerbread} & \text{gingerbread} & \text{gingerbread} \end{array} - \begin{array}{cc} \text{gingerbread} & \text{gingerbread} \end{array} = \boxed{}
 \end{array}$$

$$\begin{array}{c}
 \begin{array}{cc} \text{donut} & \text{donut} \end{array} + \begin{array}{ccc} \text{donut} & \text{donut} & \text{donut} \\ \text{donut} & \text{donut} & \text{donut} \end{array} = \boxed{} \\
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 \end{array}$$