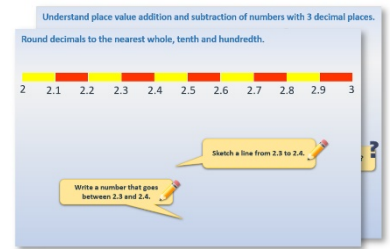


Week 7, Day 3

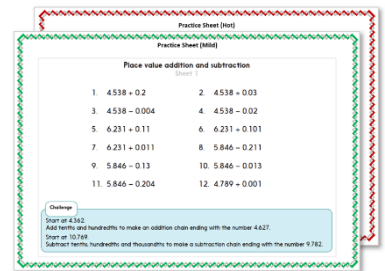
Finding change

Each day covers one maths topic. It should take you about 1 hour or just a little more.

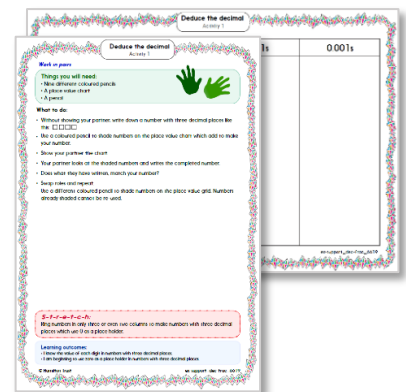
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



3. Finding it tricky? That's OK... have a go with a grown-up at **A Bit Stuck?**

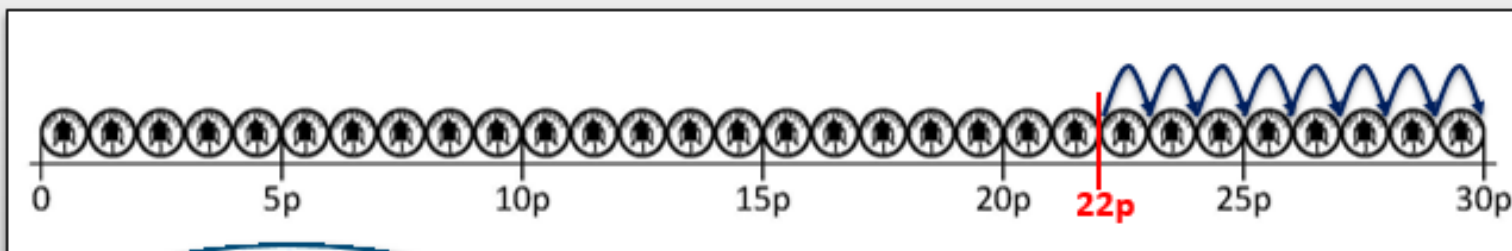
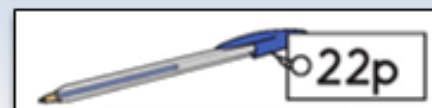


4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the **Investigation**...

Learning Reminders

Give change by counting up to find a difference.

I buy a pen for 22p, let's
find how much change I
get from 30p.



Mark **22p** on the
penny line...

Then count up to **30p**
to find the change...

How many 1p hops?
How much change
will I get?

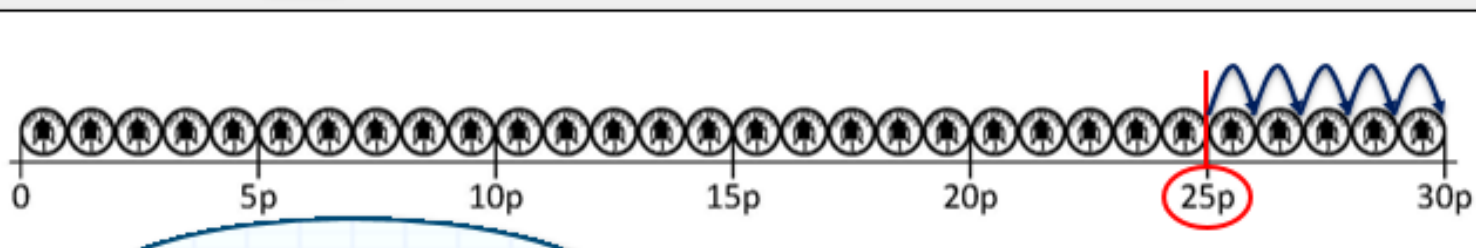
Learning Reminders

Give change by counting up to find a difference.

I have a 20p and a 10p.
How much is that
altogether?



I buy a ball for 25p.
Let's find how much
change I get.



Mark **25p** on the
penny line...

Then count up to **30p** to
find the change...

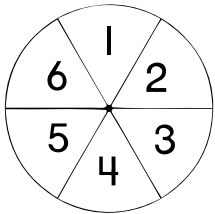
How many hops of
1p? How much change
will I get?

Practice Sheet Mild

Toy shop

Choose a toy to buy. Calculate the change from 20p.

17p



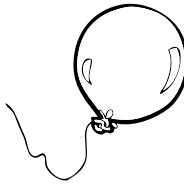
13p



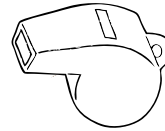
19p



10p



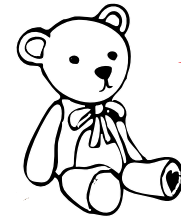
15p



18p



16p



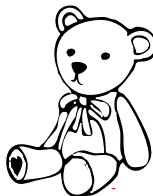
11p



14p



12p



13p



9p



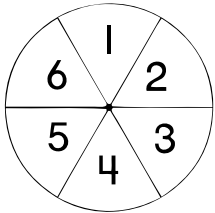
7p



Practice Sheet Hot Toy shop

Choose a toy to buy. Calculate the change from 20p, or from 30p if it costs more than 20p.

17p



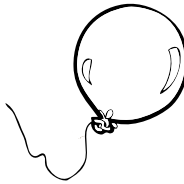
23p



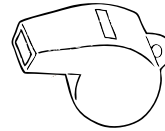
29p



10p



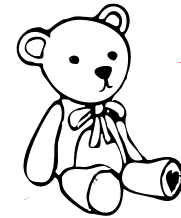
5p



25p



28p



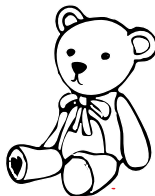
15p



22p



20p



21p



19p



24p



Practice Sheet Answers

Toy shop (mild)

20p - 17p = 3p
20p - 13p = 7p
20p - 19p = 1p
20p - 10p = 10p
20p - 15p = 5p
20p - 18p = 2p
20p - 16p = 4p
20p - 11p = 9p
20p - 14p = 6p
20p - 12p = 8p
20p - 13p = 7p
20p - 9p = 11p
20p - 7p = 13p

Toy shop (hot)

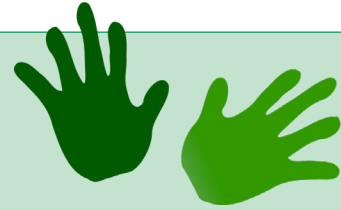
20p - 17p = 3p
30p - 23p = 7p
30p - 29p = 1p
20p - 10p = 10p
20p - 5p = 15p
30p - 25p = 5p
30p - 28p = 2p
20p - 15p = 5p
30p - 22p = 8p
30p - 20p = 10p
30p - 21p = 9p
20p - 19p = 1p
30p - 24p = 6p

A Bit Stuck? Sweet shop

Work in pairs

Things you will need:

- 1p and 10p coins
- Money lines
- A pencil



What to do:

- Take it in turns to be the shopkeeper and the customer.
- The customer chooses a sweet and gives the shopkeeper 10p.
- The shopkeeper uses the money line to find the change from 10p.
The shopkeeper gives the change to the customer.
- Both people write the change by the sweet.

S-t-r-e-t-c-h:

Use pairs to 10 to help find the change.

Learning outcomes:

- I can find the change from 10p using a money line.
- I am beginning to use pairs to 10 to find change from 10p

A Bit Stuck?
Sweet shop

7p



Change

p

9p



Change

p

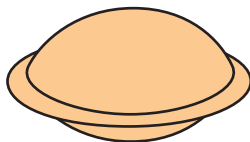
6p



Change

p

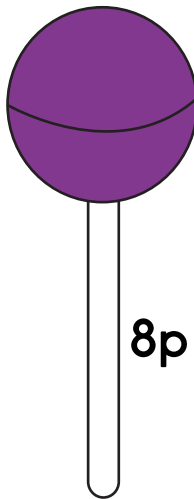
1p



Change

p

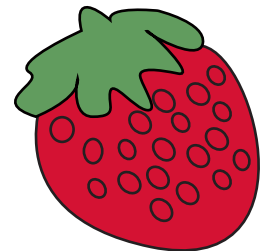
8p



Change

p

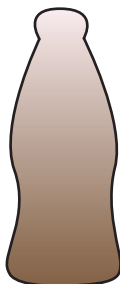
4p



Change

p

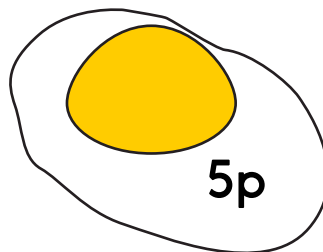
2p



Change

p

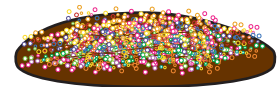
5p



Change

p

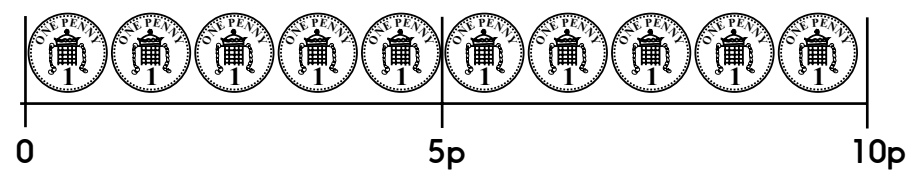
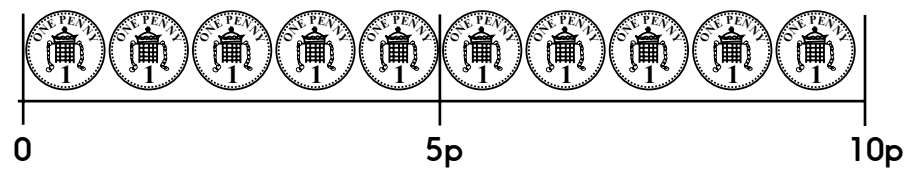
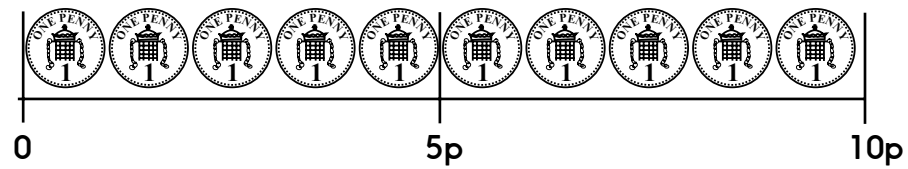
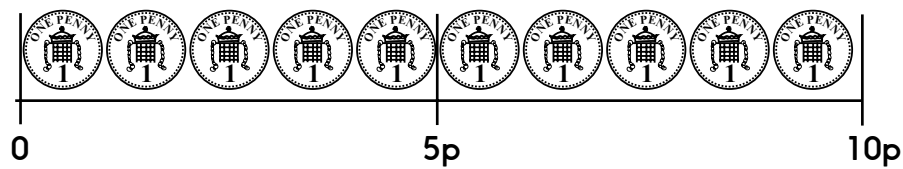
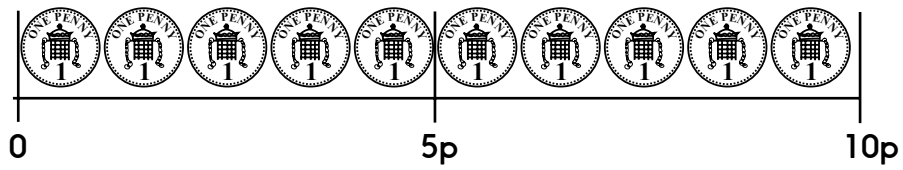
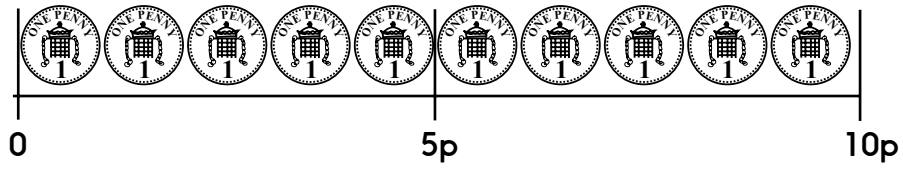
3p



Change

p

A Bit Stuck? Sweet shop



Investigation

Change challenge

1. Choose a cake.
Choose a coin to buy it.
Calculate the change.
Write it down.
2. Repeat this five times.
3. Talk to someone else.
What different amounts of change have they written in their list?
4. How many ways can you make different amounts of change?

Explore this – trying to be logical...

Cake 1p, coin 2p – change = 1p
Cake 4p, coin 5p – change = 1p
Cake 9p, coin 10p – change = 1p
Cake 19p, coin 20p – change = 1p
There are four ways of getting 1p change.

Challenge

Using these coins and these cakes...

How many ways can you make each possible amount of change?

Investigation

Change challenge

