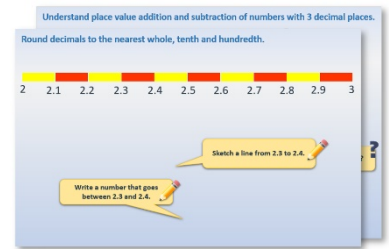


Week 6, Day 1

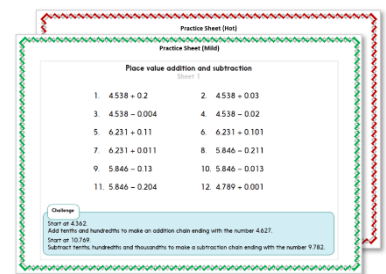
Pairs to 20p

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

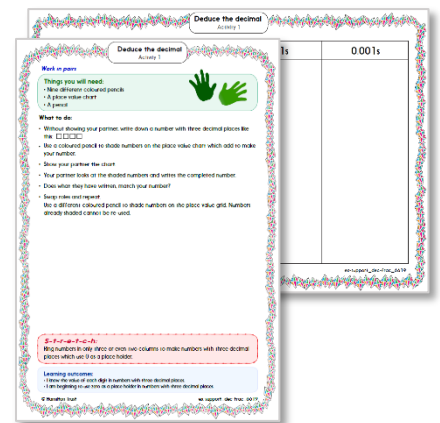
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



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



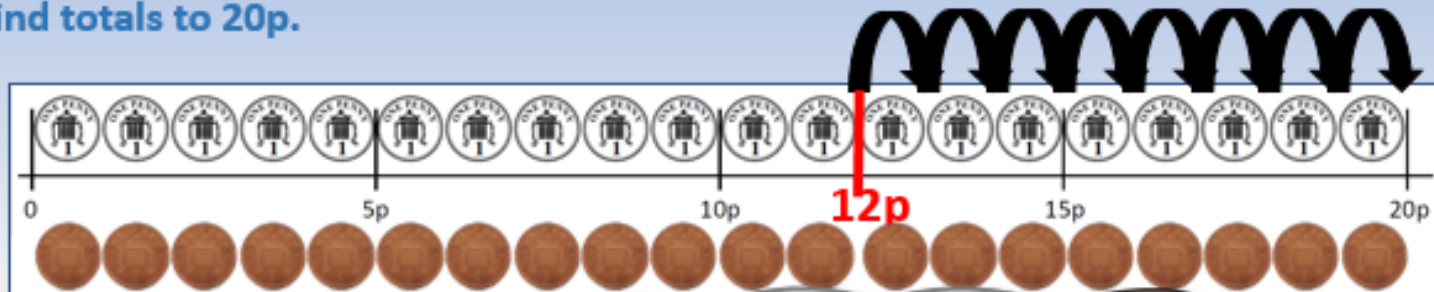
3. Finding it tricky? That's OK... have a go with a grown-up at **A Bit Stuck?**



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

Learning Reminders

Find totals to 20p.



We've marked 12p.
How many more pennies do I have
to find to make 20p? Is there a
number fact that can help?



Did you remember that

$$12 + 8 = 20?$$

Count on the line to
check...

How many hops was
that?

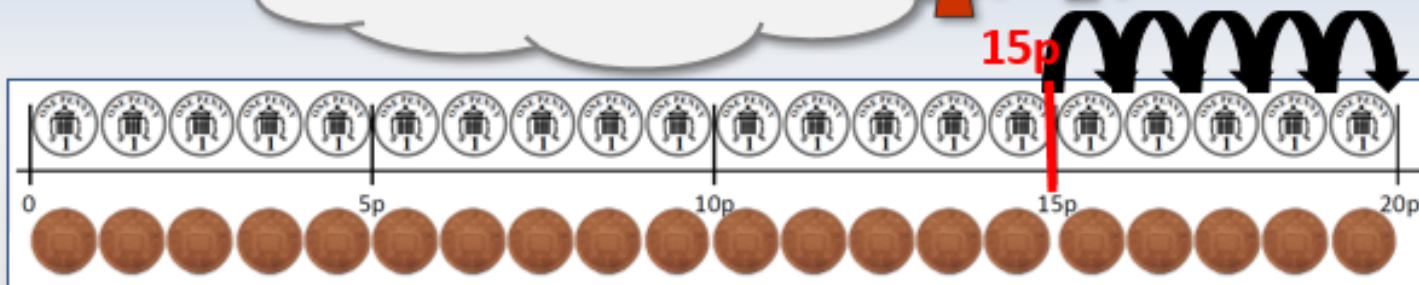
Count the extra
pennies to check!

$$12p + 8p = 20p$$

Learning Reminders

Find totals to 20p.

How many more pennies do I need to make 20p now?



Did you remember that

$$15 + 5 = 20?$$

Count on the line to check...

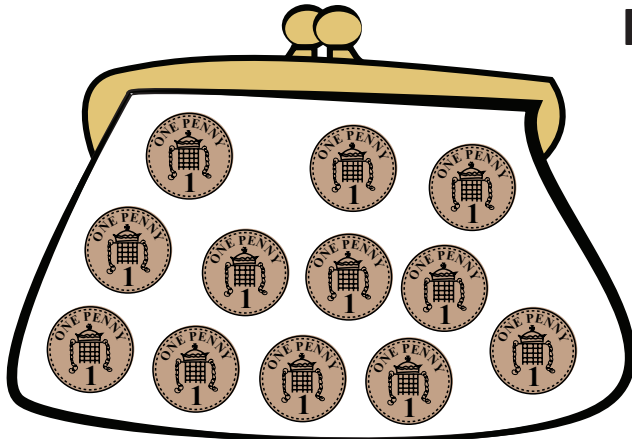
How many hops was that?

Count the extra pennies to check!

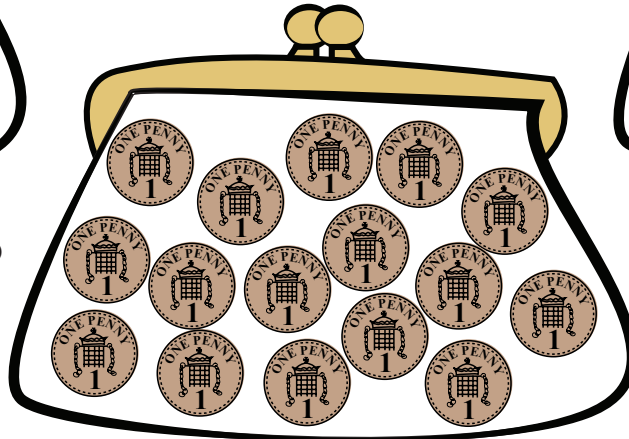
$$15p + 5p = 20p$$

Practice Sheet Mild

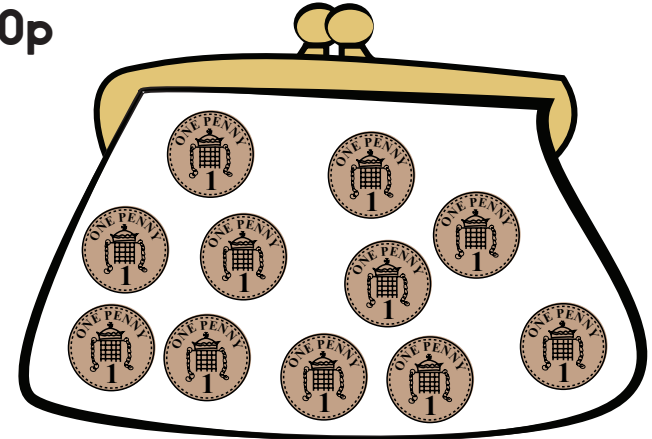
Make the amounts up to 20p



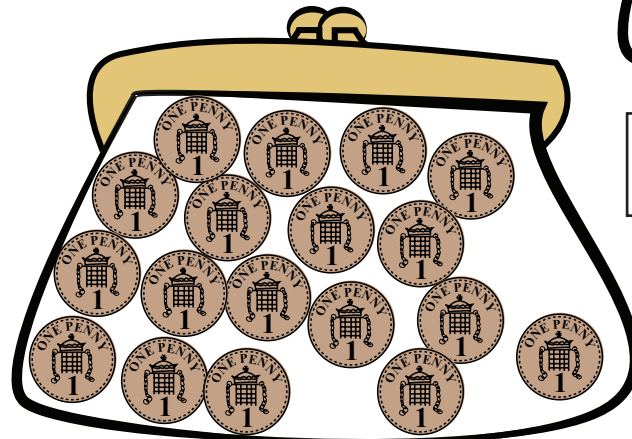
$$\square \text{ p} + \square \text{ p} = 20\text{p}$$



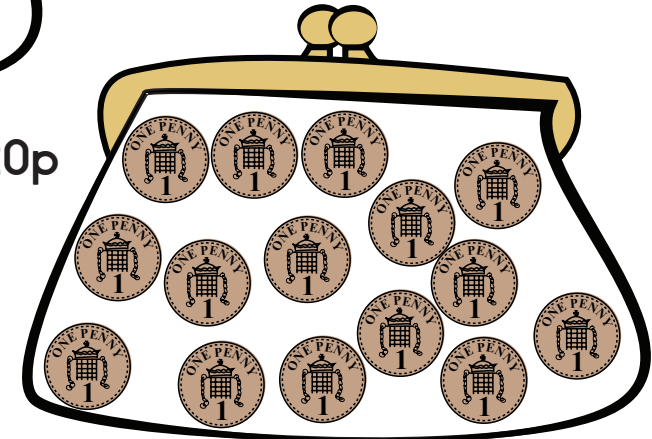
$$\square \text{ p} + \square \text{ p} = 20\text{p}$$



$$\square \text{ p} + \square \text{ p} = 20\text{p}$$



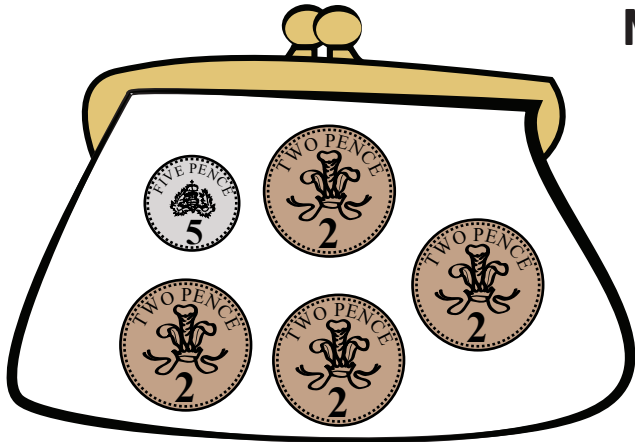
$$\square \text{ p} + \square \text{ p} = 20\text{p}$$



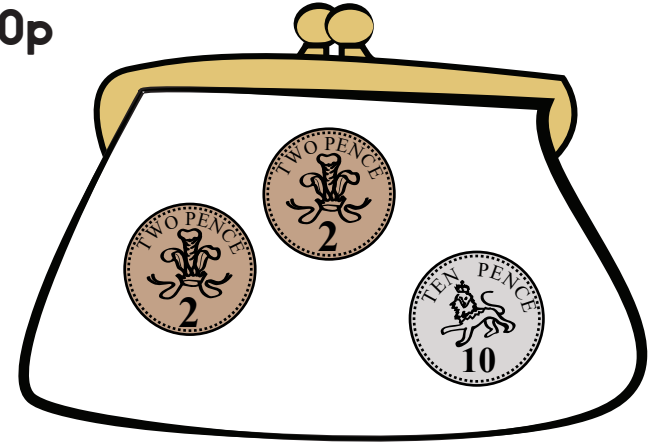
$$\square \text{ p} + \square \text{ p} = 20\text{p}$$

Practice Sheet Hot

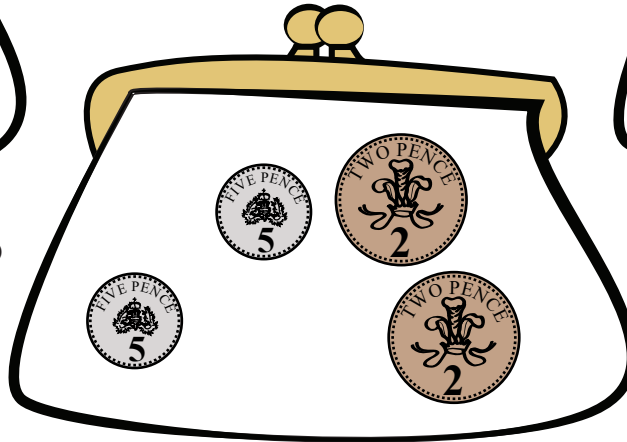
Make the amounts up to 20p



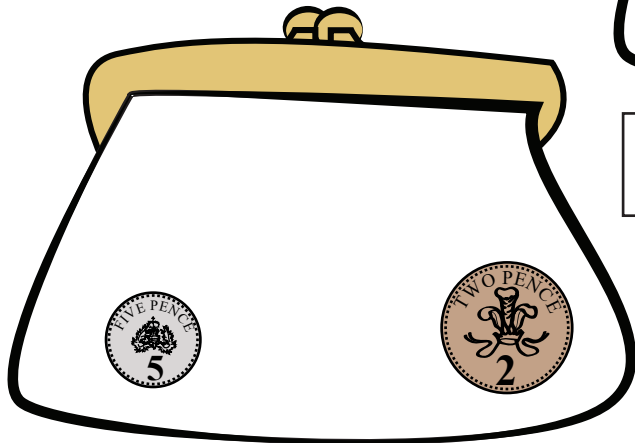
$$\boxed{} \text{ p} + \boxed{} \text{ p} = 20\text{p}$$



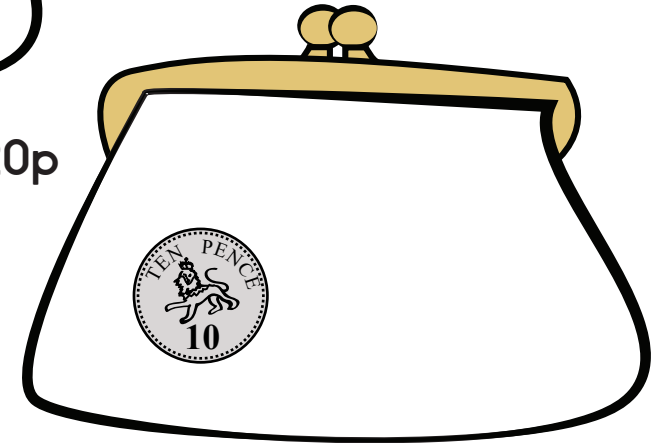
$$\boxed{} \text{ p} + \boxed{} \text{ p} = 20\text{p}$$



$$\boxed{} \text{ p} + \boxed{} \text{ p} = 20\text{p}$$



$$\boxed{} \text{ p} + \boxed{} \text{ p} = 20\text{p}$$



$$\boxed{} \text{ p} + \boxed{} \text{ p} = 20\text{p}$$

Practice Sheet Answers

Make the amounts up to 20p (mild)

$$12p + 8p = 20p$$

$$11p + 9p = 20p$$

$$16p + 4p = 20p$$

$$18p + 2p = 20p$$

$$15p + 5p = 20p$$

Make the amounts up to 20p (hot)

$$13p + 7p = 20p$$

$$14p + 6p = 20p$$

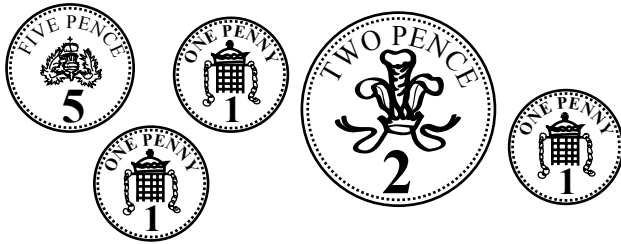
$$14p + 6p = 20p$$

$$7p + 13p = 20p$$

$$10p + 10p = 20p$$

A Bit Stuck? Making 10p

What do these coins total?



How many other ways of making 10p can you find?
Record your answers here:

Ways of making 10p

A Bit Stuck? Answers

Making 10p

Ways of making 10p:

$$1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p$$

$$2p + 1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p$$

$$2p + 2p + 1p + 1p + 1p + 1p + 1p + 1p$$

$$2p + 2p + 2p + 1p + 1p + 1p + 1p$$

$$2p + 2p + 2p + 2p + 1p + 1p$$

$$2p + 2p + 2p + 2p + 2p$$

$$5p + 2p + 2p + 1p$$

$$5p + 5p$$

Investigation

Dicey coins

You will need: 1-6 dice, twenty 1p coins, ten 2p coins, four 5p coins, two 10p coins, one 20p coin.

1. You are going to make some money amounts.
2. Throw the dice. Write down the number thrown.
The number thrown tells you how many coins to take.
3. Try to make either 10p or 20p using that number of coins.
Write the addition beside the number.
4. Throw the dice again.
If you get the same number, try to make 10p or 20p in a different way from before.
If it is not possible, make a note.
For example,
 $10p + 5p + 5p = 20p$ - the only way.

Roll	
3	$10p + 5p + 5p = 20p$
Roll 3 again	
3	$10p + 5p + 5p = 20p$
Only 1 way to make 20p with	
3 coins	

Challenge

Can you make 10p or 20p using each dice number of coins?
How many different ways can you find for each number?