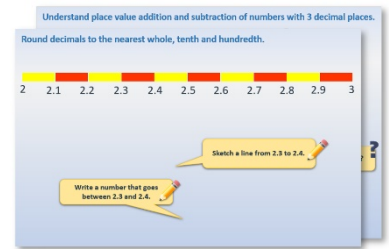


Week 12, Day 3

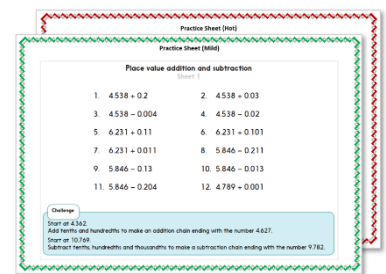
Division (money)

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

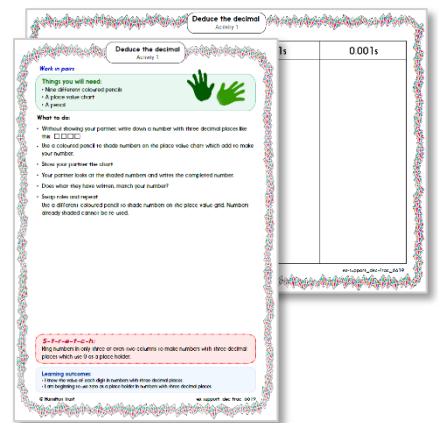
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



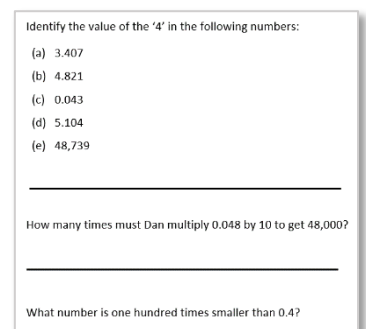
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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

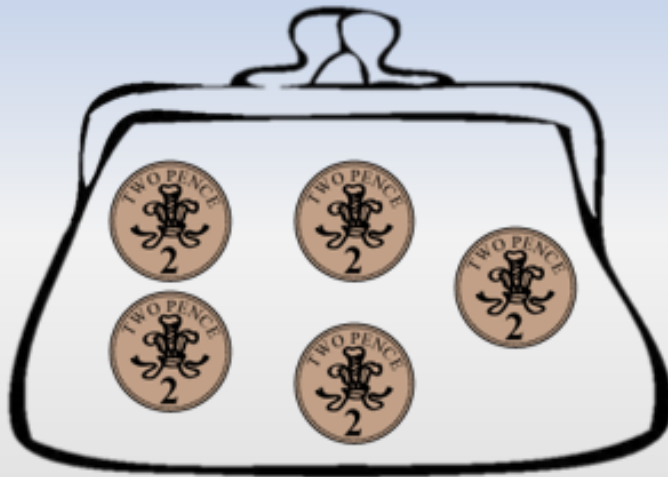


4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



Learning Reminders

Solving multiplication problems.



$$5 \times 2p = 10p$$

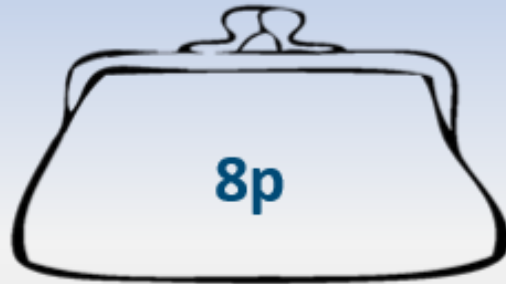
I have five 2p coins in my purse.
How much money do I have altogether?



We can count in 2s:
2p, 4p, 6p, 8p, **10p**

Learning Reminders

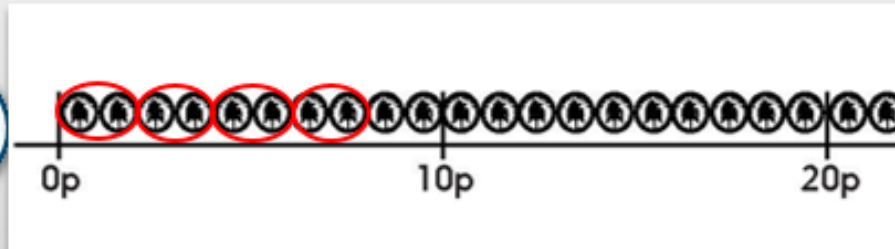
Solving division problems.



I have **8p** in my purse.
If all of the coins are
2ps how many coins
do I have?



We can circle groups
of 2p up to **8p** on the
penny number line.



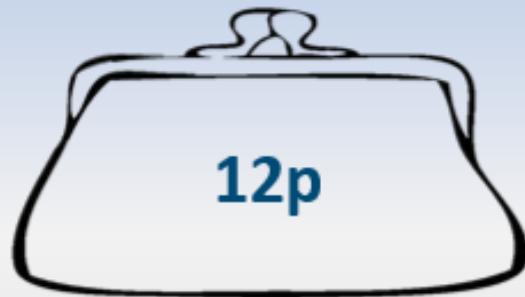
How many groups
did we circle?

Four groups of 2 in
8p, so I must have
four 2p coins.

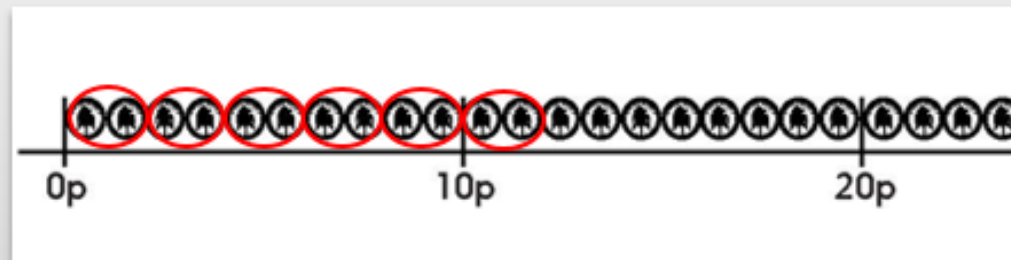


Learning Reminders

Solving division problems.



I have 12p in my purse. If all of the coins are 2ps how many coins do I have?



How many groups did we circle?

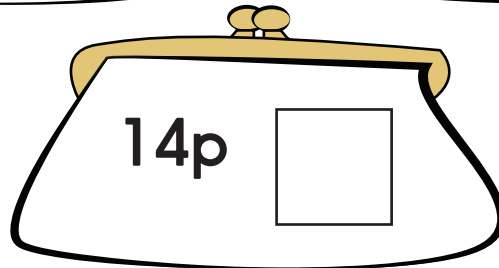
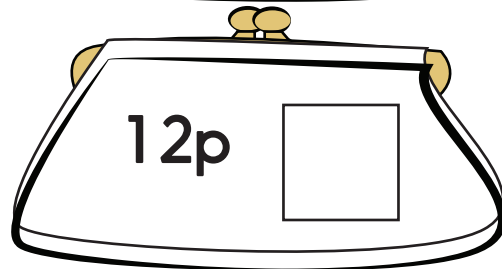
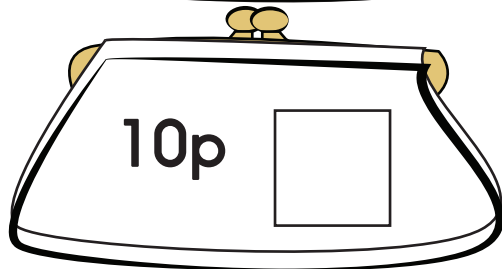
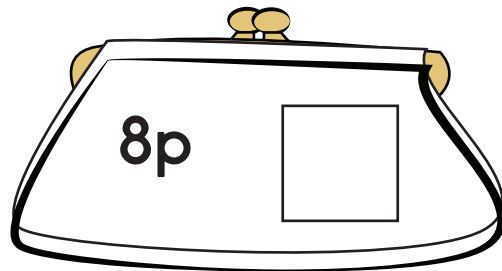
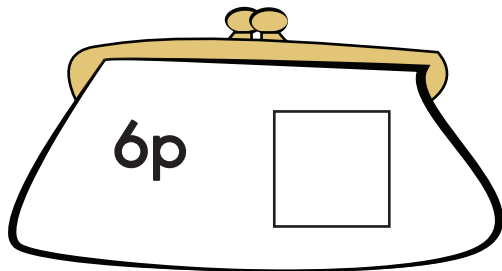
Six groups of 2 in 12p, so I must have **six 2p coins.**



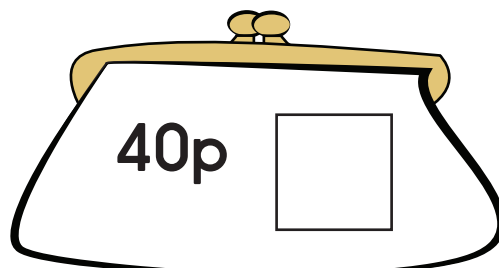
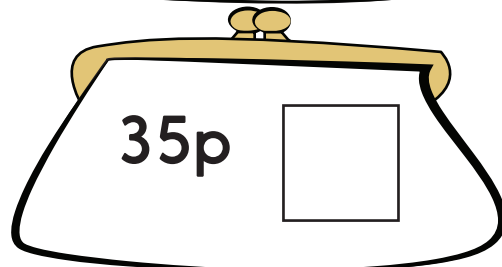
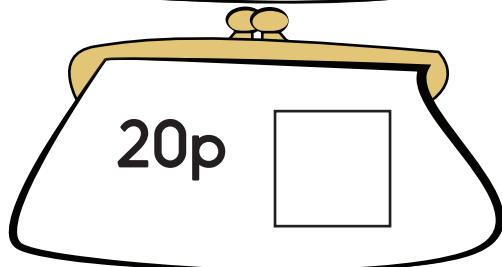
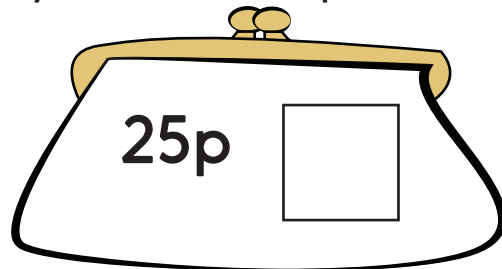
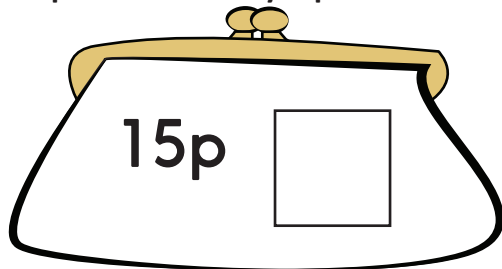
Practice Sheet Mild

Money multiplication

Use 2p and 5p coins to help you work out how many coins are in each purse.
Your purse has only 2ps inside. How many coins are in the purse?



Your purse has only 5ps inside. How many coins are in the purse?



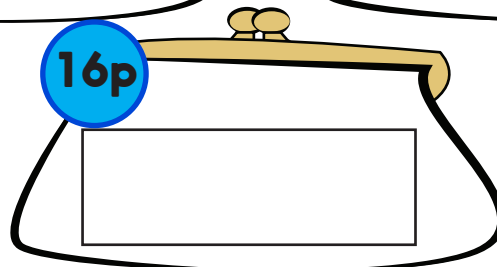
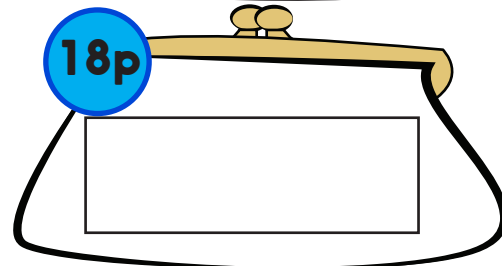
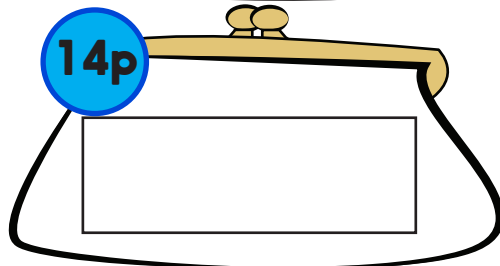
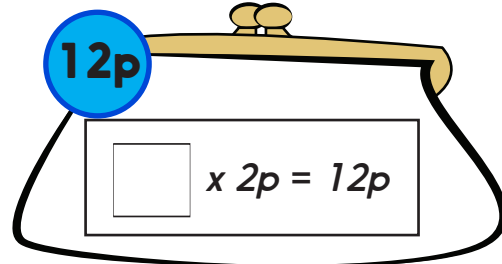
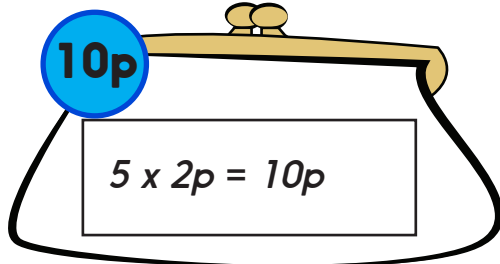
Practice Sheet Hot

Money multiplication

Use 2p and 5p coins to help you work out how many coins are in each purse.

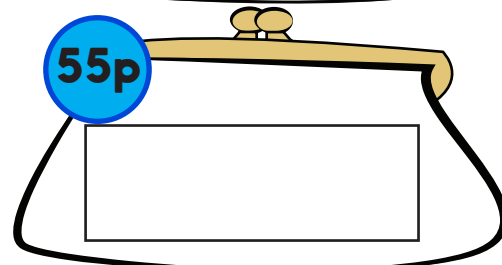
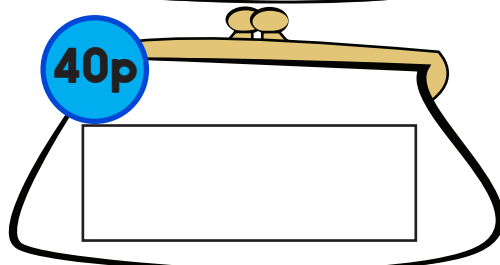
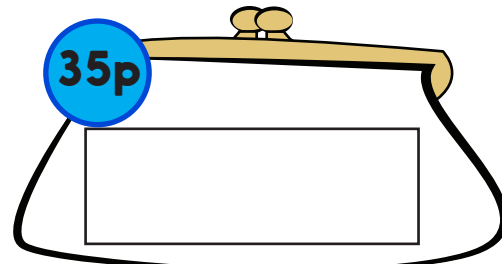
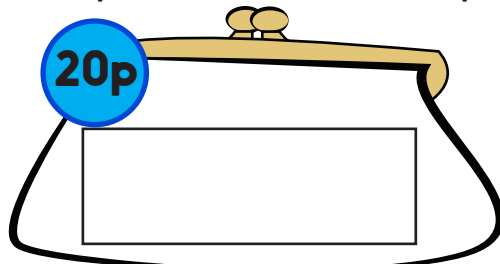
Your purse has only 2ps inside. How many coins are in the purse?

Record your answer as a multiplication sentence.



Your purse has only 5ps inside. How many coins are in the purse?

Record your answer as a multiplication sentence.



Challenge

Serena's purse has 5ps and 2ps inside. There is 20p in the purse.
Which coins might be in Serena's purse?

Practice Sheets Answers

Money multiplication (mild)

Your purse has only 2ps inside. How many coins are in the purse?

6p 3 coins

8p 4 coins

10p 5 coins

12p 6 coins

14p 7 coins

Your purse has only 5ps inside. How many coins are in the purse?

15p 3 coins

25p 5 coins

20p 4 coins

35p 7 coins

40p 8 coins

Money multiplication (hot)

Your purse has only 2ps inside. How many coins are in the purse?

Record as a multiplication sentence.

10p $5 \times 2 = 10$ so 5 coins

12p $6 \times 2 = 12$ so 6 coins

14p $7 \times 2 = 14$ so 7 coins

18p $9 \times 2 = 18$ so 9 coins

16p $8 \times 2 = 16$ so 8 coins

Your purse has only 5ps inside. How many coins are in the purse?

Record as a multiplication sentence.

20p $4 \times 5 = 20$ so 4 coins

35p $7 \times 5 = 35$ so 7 coins

40p $8 \times 5 = 40$ so 8 coins

55p $11 \times 5 = 55$ so 11 coins

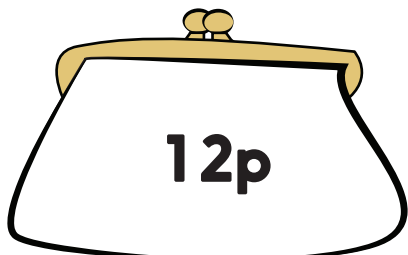
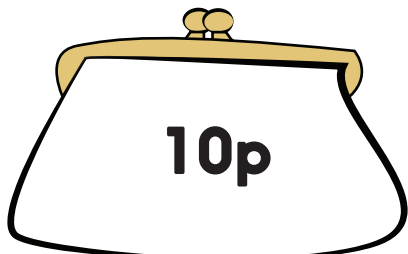
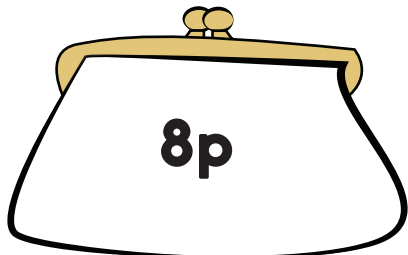
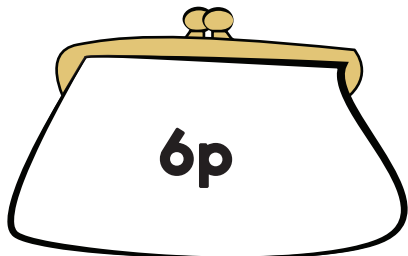
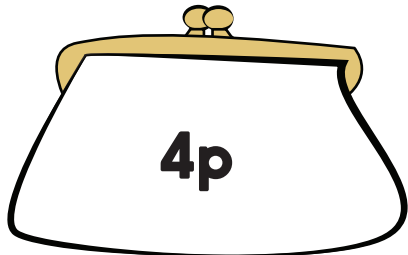
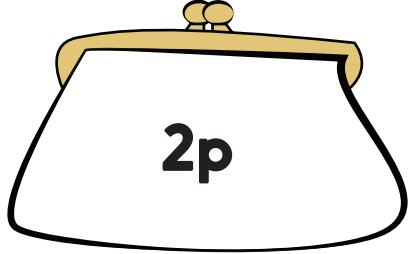
Challenge

Make 20p in 5ps and 2ps. There is only one way to do this:

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

A Bit Stuck? All the twos

- All of these purses only have 2p coins in them.
- Count in 2s to work out how many coins are in each purse.
- Draw the coins for each purse. The first two are done for you.



Check your understanding

Questions

Maia has eight 2p coins, Teddy has two 10p coins, and Jon has three 5p coins.
Who has the most money? Who has the least money?

There are eight towers with 5 cubes in each tower? How many cubes altogether?
How many in total if there are 10 cubes in each tower?

Tom has 30p in his purse. He has six coins all the same.
What coin does he have?

Anna has 24p in her purse. She has 12 coins all the same.
What coins does she have?

Fold here to hide answers.

Check your understanding

Answers

Maia has eight 2p coins, Teddy has two 10p coins, and Jon has three 5p coins.
Who has the most money? Who has the least money?

Maia has 16p, Teddy 20p and Jon 15p. So, Teddy has the most and Jon the least. Some may think that Maia has the most since she has the most coins (and Teddy the least), confirm this by counting in 2s, 5s and 10s with real coins.

There are eight towers with 5 cubes in each tower? How many cubes altogether? **40 cubes.**
How many in total if there are 10 cubes in each tower? **80 cubes.**

Tom has 30p in his purse. He has six coins all the same.
What coin does he have? **He has 5p coins.**

Anna has 24p in her purse. She has 12 coins all the same.
What coins does she have? **She has 2p coins.**