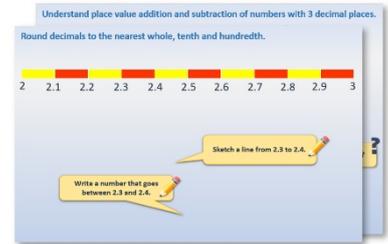


Week 11, Day 3

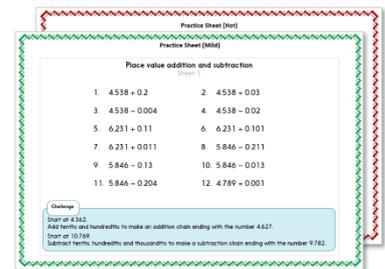
Multiplication

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

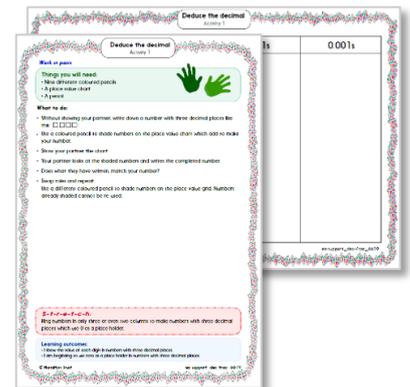
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



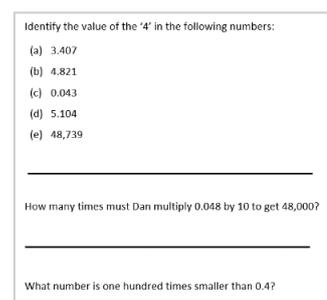
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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

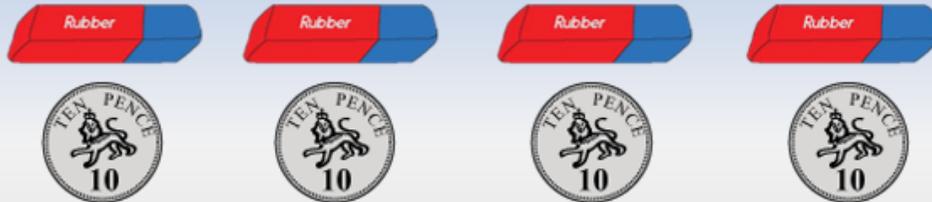


4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



Learning Reminders

Multiplication using a penny number line.



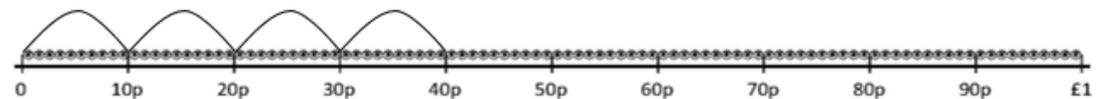
Each of these rubbers costs 10p. How many 10ps would we need to buy four rubbers?

How can you find out how much four rubbers cost?

Multiplication using a penny number line.

We can count in 10s or add four 10ps:
 $10p + 10p + 10p + 10p = 40p$.
This is called **repeated addition**.

Or find four lots of 10p by drawing jumps on a number line.



4 lots of 10p is 40p.

We can write that as
 $4 \times 10p = 40p$

This is called **multiplication**.

Learning Reminders

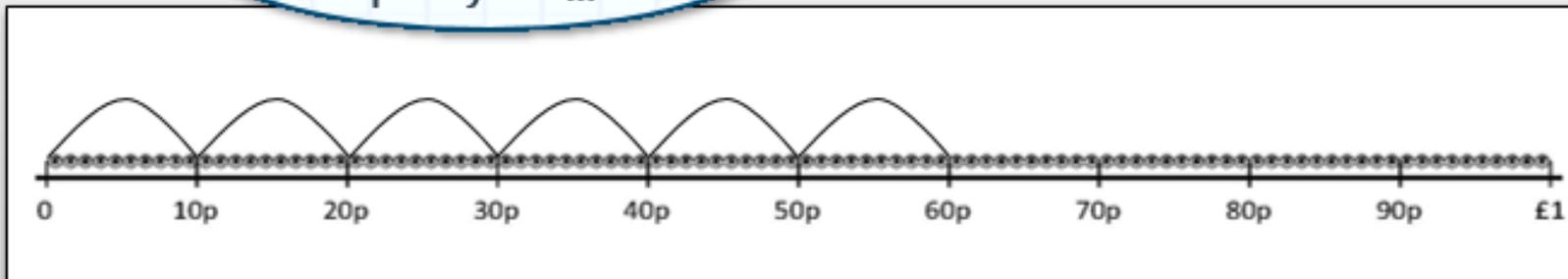
Multiplication using a penny number line.



How much will it cost to buy **six** rubbers?



Let's check on the penny line...



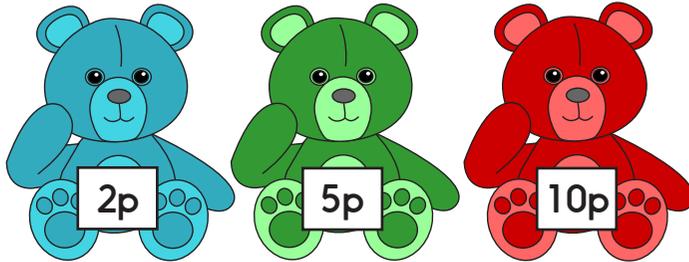
6 lots of 10p is 60p.

We can write that as

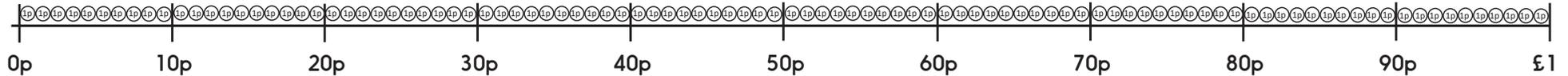
$$6 \times 10p = 60p$$

Practice Sheet Mild

How much?



Have a go at recording each as a multiplication sentence.



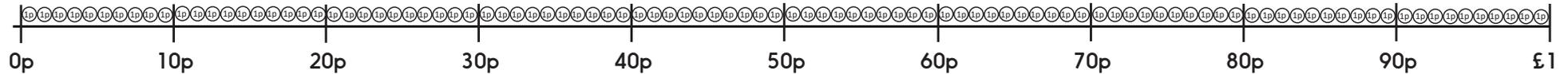
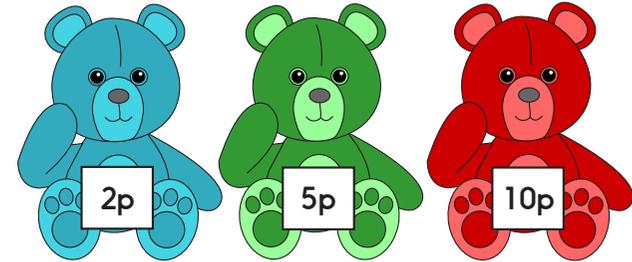
How much would these cost?

- 1) 2 blue bears
- 2) 4 green bears
- 3) 6 red bears
- 4) 5 blue bears
- 5) 3 green bears
- 6) 4 red bears

Practice Sheet Hot

How much?

Record each as a multiplication sentence.



How much would these cost?

- | | |
|------------------|-------------------|
| 1) 2 blue bears | 6) 4 red bears |
| 2) 4 green bears | 7) 7 blue bears |
| 3) 6 red bears | 8) 8 green bears |
| 4) 5 blue bears | 9) 9 red bears |
| 5) 3 green bears | 10) 10 blue bears |

Challenge

How many red bears would cost £1?
How many green bears would cost £1?
How many blue bears would cost £1?

Practice Sheet Answers

Practice Sheet (Mild)

- 1) 2 blue bears $2 \times 2p = 4p$
- 2) 4 green bears $4 \times 5p = 20p$
- 3) 6 red bears $6 \times 10p = 60p$
- 4) 5 blue bears $5 \times 2p = 10p$
- 5) 3 green bears $3 \times 5p = 15p$
- 6) 4 red bears $4 \times 10p = 40p$

Practice Sheet (Hot)

- 1) 2 blue bears $2 \times 2p = 4p$
- 2) 4 green bears $4 \times 5p = 20p$
- 3) 6 red bears $6 \times 10p = 60p$
- 4) 5 blue bears $5 \times 2p = 10p$
- 5) 3 green bears $3 \times 5p = 15p$
- 6) 4 red bears $4 \times 10p = 40p$
- 7) 7 blue bears $7 \times 2p = 14p$
- 8) 8 green bears $8 \times 5p = 40p$
- 9) 9 red bears $9 \times 10p = 90p$
- 10) 10 blue bears $10 \times 2p = 20p$

Challenge

How many red bears would cost £1?

10 red bears would cost £1.

How many green bears would cost £1?

20 green bears would cost £1.

How many blue bears would cost £1?

50 blue bears would cost £1.

A Bit Stuck? Give me five

Work in pairs

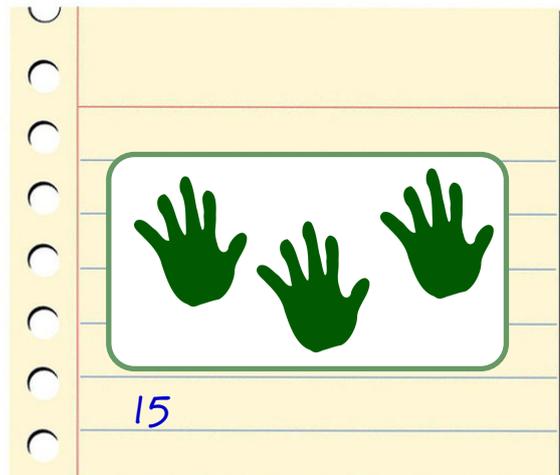
Things you will need:

- A set of hands cards
- A glue stick
- A pencil



What to do:

- Spread the cards out. Choose one.
- Count in fives to find out how many fingers there are.
- Stick the card on a piece of paper.
- Write the number of fingers underneath.
- Repeat for as many cards as you can.



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

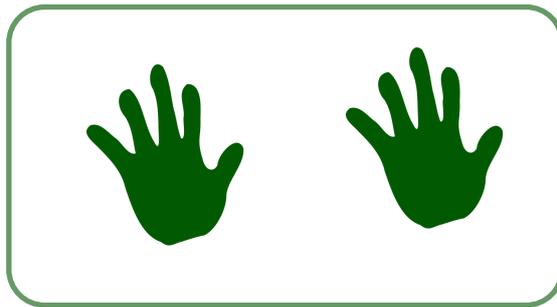
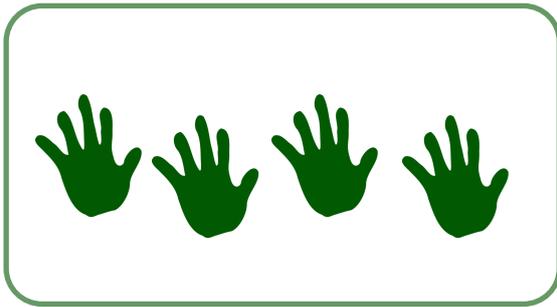
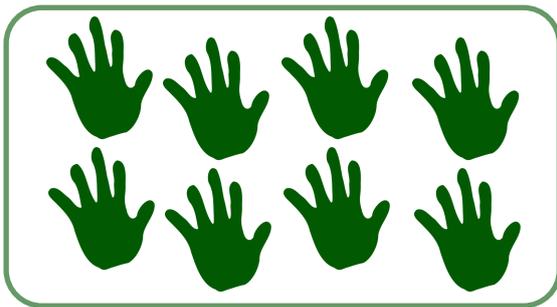
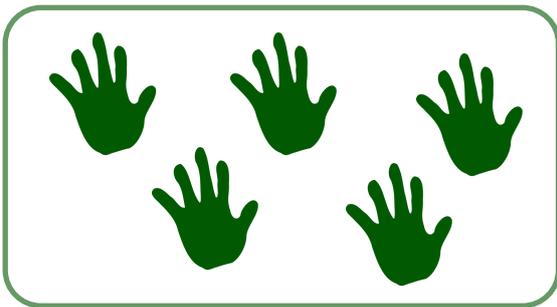
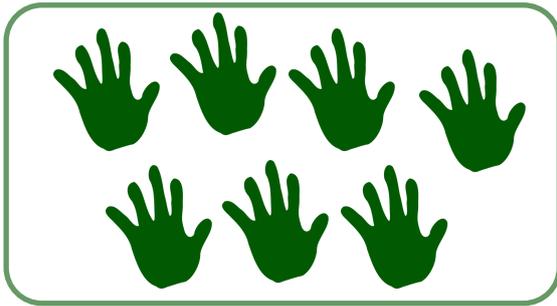
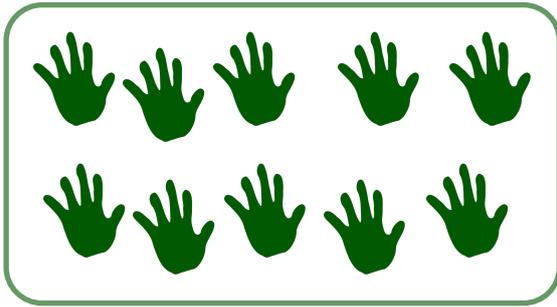
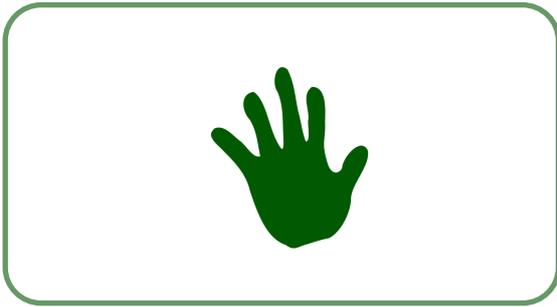
Write the missing numbers in this sequence:

5, 10, 15, __, 25, 30, __, 40, 45, __, 55, 60, 65, 70, 75, __, 85, 90, 95, 100.

Learning outcomes:

- I can count in 5s to at least 50.
- I am beginning to write missing numbers in the sequence made by counting in 5s.

A Bit Stuck?
Give me five



Check your understanding: Questions

James has five of each coin in three separate piles.

2ps 5ps 10ps

How much does he have in each pile?

Write < or > or = to complete each sentence.

(a) 4×5 2×10

(b) 10×2 3×10

(c) 3×5 8×2

Fold here to hide answers:

Check your understanding: Answers

James has five of each coin in three separate piles.

2ps 5ps 10ps

How much does he have in each pile?

10p, 25p and 50p respectively. Children should be counting on in 2s, 5s or 10s to find the answer.

Write < or > or = to complete each sentence.

(a) $4 \times 5 = 2 \times 10$

(b) $10 \times 2 < 3 \times 10$

(c) $3 \times 5 < 8 \times 2$

Note that at this stage, children are likely to be counting on in 2s, 5s or 10s to evaluate each side of the equation (rather than recalling times tables facts). Children who are struggling can check by counting on in 2s, 5s or 10s on a number line.