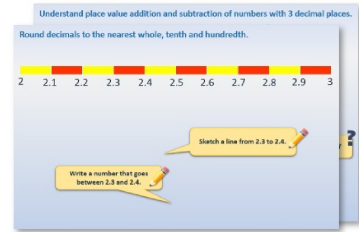


# Year 5: Week 3, Day 3

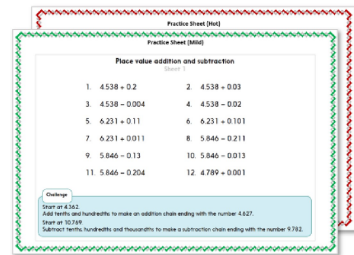
## Short multiplication (money)

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

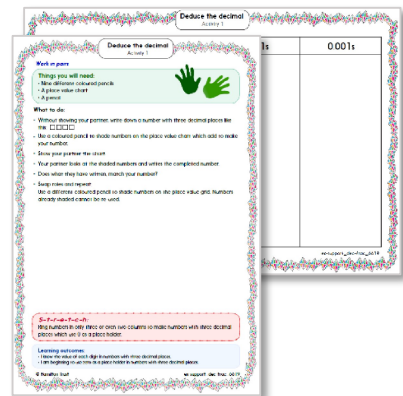
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



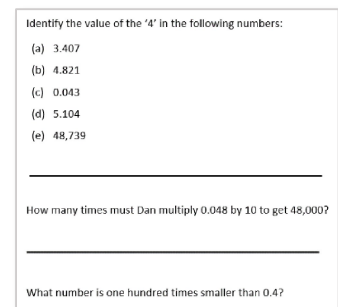
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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

Use short multiplication to multiply 4-digit amounts of money by 1-digit numbers.

A shop sells 6 hoodies, each priced £25.79.  
We are going to find the total amount.

$6 \times £25.79$

$\times$	£20	£5	70p	9p	
6	£120	£30	£4.20	54p	£154.74

$$6 \times 70\text{p} = £4.20$$

Add the pounds, then the pence.

Take special care with place value when multiplying with money. It is particularly helpful to estimate first...

$$\begin{array}{r} £ 25.79 \\ \times \quad 6 \\ \hline 345 \\ \hline £ 154.74 \end{array}$$

$$(6 \times 70\text{p}) + 50\text{p} = £4.70$$

## Learning Reminders

Use short multiplication to multiply 4-digit amounts of money by 1-digit numbers.

A shop sells 7 pairs of jeans, each priced £34.45.

We are going to find the total amount.

What would be a good estimate?

$$7 \times £34.45$$

×	£30	£4	40p	5p	
7	£210	£28	£2.80	35p	£241.15

$$7 \times 40p = £2.80$$

Add the pounds, and then the pence.

Does this answer look about right?

$$\begin{array}{r} £ 34.45 \\ \times \quad 7 \\ \hline 333 \\ \hline £ 241.15 \end{array}$$

$$7 \times 40p + 30p = £3.10$$

## Practice Sheet Mild

### Multiplying money

1. Which of these multiplications do you think will have the greatest answer?

$3 \times \text{£}4.28$

$5 \times \text{£}5.17$

$4 \times \text{£}8.32$

$6 \times \text{£}2.51$

Calculate each to check.

2. A shop sells the following items. Calculate how much they take for each item:

4 beanies at  $\text{£}7.24$  each

6 water bottles at  $\text{£}3.65$  each

8 wristbands at  $\text{£}2.78$  each

## Practice Sheet Hot

### Multiplying money



£46.55



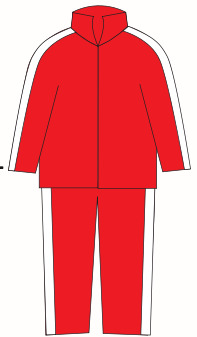
£24.60



£31.66



£19.49



£38.75

1. Which of these would cost more than £200? Estimate each then calculate the costs.

- a) 5 pairs of trainers
- b) 4 tracksuits
- c) 7 footballs
- d) 8 sports bags
- e) 7 tennis rackets

2. Which do you think would cost more?  
Estimate each then calculate the costs.

- a) 6 pairs of trainers or 7 tracksuits?
- b) 9 sports bags or 6 footballs?
- c) 6 tennis rackets, 4 tracksuits or 3 pairs of trainers?

#### Challenge

Five children each buy a sports bag, a tennis racket and pair of trainers. How much do they spend altogether?