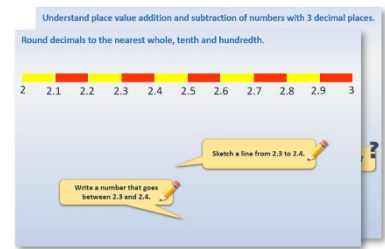


## Week 14, Day 3

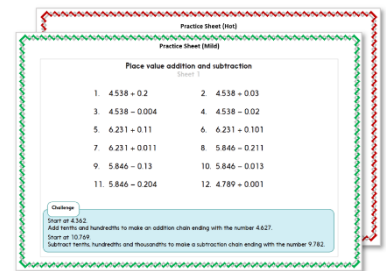
### Revise short division, expressing remainders as fractions.

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

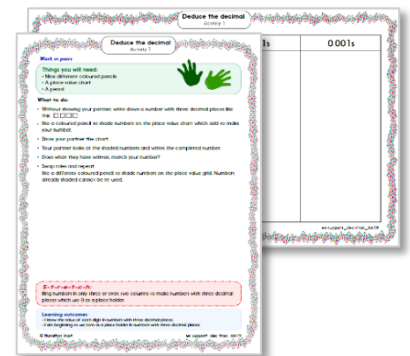
1. Start by carefully reading through the **Learning Reminders**.



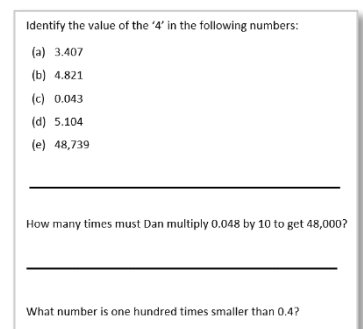
2. Tackle the questions on the **Practice Sheet**.  
There might be a choice of either **Mild** (easier) or **Hot** (harder)!  
Check the answers.



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

Revise short division of 4-digit numbers, expressing remainders as fractions.

Start with the 1000s. There are no 4s in 2 so leave a space above the 1000s place and move on.

Solving  $2786 \div 4$  using short division

Now divide 27 by 4.  
There are 6 4s in 27 and 3 left over.  
Write 6 above the line, in the 100s place.  
Write 3 in front of the next digit.

$$\begin{array}{r} 696r2 \\ 4 \overline{)2786} \end{array}$$

Now divide 38 by 4.  
There are 9 4s in 38 and 2 left over.  
Write 9 above the line, in the 10s place.  
Write 2 in front of the next digit.

Now divide 26 by 4.  
There are six 4s in 26 and 2 left over.  
Write 6 above the line, in the 1s place.  
There are 2 left over, so write r 2.

## Learning Reminders

Revise short division of 4-digit numbers, expressing remainders as fractions.

$$2786 \div 4 = 696 \text{ r } 2$$

If we want an exact answer we can divide 2 by 4 to give  $\frac{2}{4}$ .  
We can simplify that to  $\frac{1}{2}$ .  
So  $2786 \div 4 = 696\frac{1}{2}$

$$473 \div 4 = 118 \text{ r } 1$$

Here are the answers to 3 more division questions.

$$3958 \div 3 = 1319 \text{ r } 1$$

$$7975 \div 4 = 1993 \text{ r } 3$$

Now try to write these answers using fractions.

Answers

$1993\frac{1}{3}$   
 $1319\frac{1}{3}$   
 $118\frac{1}{4}$

## Practice Sheet Mild

### Short division

Use short division to work out the answers to these divisions.  
Write the remainders as fractions.

1.  $467 \div 3$

2.  $623 \div 4$

3.  $277 \div 3$

4.  $651 \div 8$

5.  $459 \div 6$

6.  $272 \div 5$

7.  $5631 \div 5$

8.  $8621 \div 4$

9.  $4478 \div 3$

10.  $6832 \div 6$

## Practice Sheet Hot

### Short division

Use short division to work out the answers to these divisions.  
Write the remainders as fractions.

1.  $5631 \div 5$

2.  $8621 \div 4$

3.  $4478 \div 3$

4.  $6832 \div 6$

5.  $8234 \div 7$

6.  $3345 \div 4$

7.  $2845 \div 3$

8.  $5043 \div 3$

9.  $4823 \div 5$

10.  $6728 \div 8$

11.  $4527 \div 6$

12.  $2934 \div 7$

#### Challenge

Write two other divisions by 6 with answers less than 1000.  
Write two other divisions by 6 with answers between 1000 and 1200.