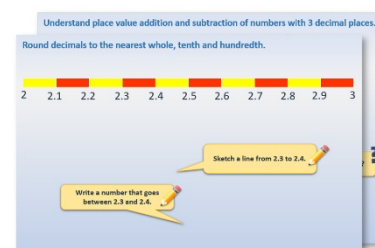


# Year 1: Week 3, Day 3

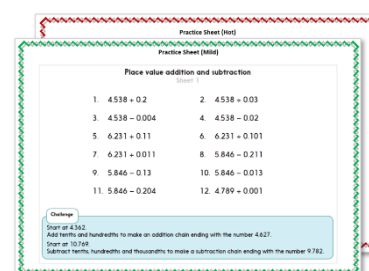
## Adding three numbers

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

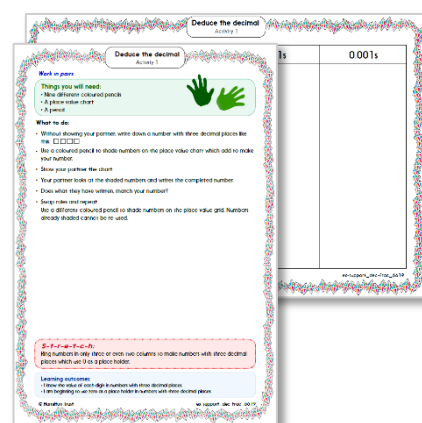
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



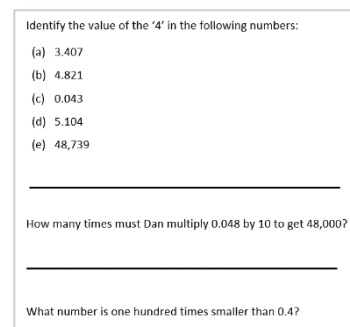
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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

Add three numbers, using doubles and number bonds to 10.

What is the total?

Is there an efficient order to do it?



12

Change the order:  
double 5 is 10,  
then another 2  
makes 12.

## Learning Reminders

Add three numbers, using number bonds to 10.

5

2

8

Is there an  
efficient way to  
add these?

?

Can you see a pair to 10?  
Let write the numbers in a  
different order.

$$8 + 2 + 5$$

$$10 + 5 = 15.$$

## Learning Reminders

Add three numbers, using doubles and number bonds.

4

3

4

Is there an efficient way to add these?

?

There isn't a pair to 10, but there are two 4s.

What is double 4?

?

8

Now we need to work out 8 add 3. Count on 3.

$$4 + 4 + 3 = 11$$

## Practice Sheet Mild

### Adding 3 dice

Can you re-arrange the dice into the order you might add them together? Remember to look for doubles and number bonds to help you, e.g.  $6 + 4 + 2 = 12$

1.



$$\square + \square + \square = \square$$

2.



$$\square + \square + \square = \square$$

3.



$$\square + \square + \square = \square$$

4.



$$\square + \square + \square = \square$$

5.



$$\square + \square + \square = \square$$

## Practice Sheet Hot

### Adding 3 numbers

$$\boxed{9} \quad \boxed{4} \quad \boxed{1} \quad \square + \square + \square = \square$$

$$\boxed{4} \quad \boxed{5} \quad \boxed{6} \quad \square + \square + \square = \square$$

$$\boxed{5} \quad \boxed{2} \quad \boxed{8} \quad \square + \square + \square = \square$$

$$\boxed{3} \quad \boxed{7} \quad \boxed{8} \quad \square + \square + \square = \square$$

$$\boxed{7} \quad \boxed{3} \quad \boxed{4} \quad \square + \square + \square = \square$$

$$\boxed{3} \quad \boxed{6} \quad \boxed{4} \quad \square + \square + \square = \square$$

$$\boxed{5} \quad \boxed{9} \quad \boxed{5} \quad \square + \square + \square = \square$$

#### Challenge

Write 3 numbers to give a total of 17.

$$\square + \square + \square = 17$$

## Practice Sheets Answers

### Adding 3 dice Sheet (mild)

1.  $6 + 4 + 3 = 13$
2.  $5 + 5 + 6 = 16$
3.  $9 + 1 + 7 = 17$
4.  $3 + 3 + 6 = 12$
5.  $7 + 3 + 5 = 15$

### Adding 3 numbers (hot)

$9 + 1 + 4 = 14$	$6 + 4 + 5 = 15$
$8 + 2 + 5 = 15$	$7 + 3 + 8 = 18$
$7 + 3 + 4 = 14$	$6 + 4 + 3 = 13$
	$5 + 5 + 9 = 19$

#### Challenge

Accept answers where 3 different numbers are given that add up to 17, e.g.  $6 + 4 + 7$ ,  $8 + 2 + 7$ ,  $6 + 6 + 5$ , etc.

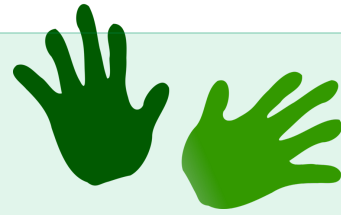
## A Bit Stuck?

### Shape sums

#### Work in pairs

#### Things you will need:

- Number shapes
- Addition cards



#### What to do:

- Find the 10 shape.
- Find two shapes which fit EXACTLY on top of the 10 shape.



- Find the matching sum. Remember the numbers can be in either order.
  - Put the card to one side so that you know you have used that one.
  - Put the two shapes back.
  - Now find two more shapes which fit exactly on top of the 10 shape.
- Find the matching sum.
- Find as many different pairs of shapes that fit on top of the 10 shape as you can.

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


Take it in turns to cover one of the first two numbers in a sum. The other person works out what number is hidden. They can use their fingers to help.


#### Learning outcomes:

- I can find pairs of numbers which make 10.
- I am beginning to say how many more are needed to make 10.




**A Bit Stuck?**  
**Shape sums**



$$10 + 0 = 10$$


$$9 + 1 = 10$$

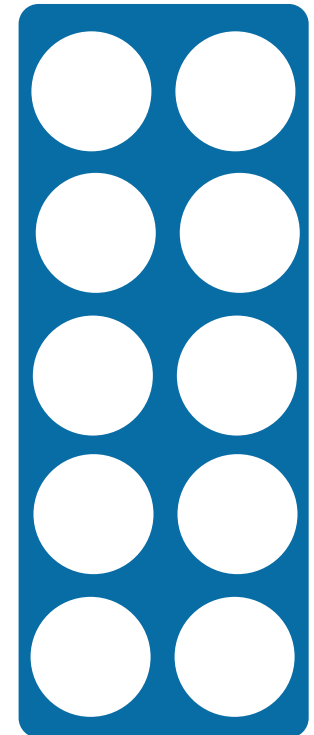
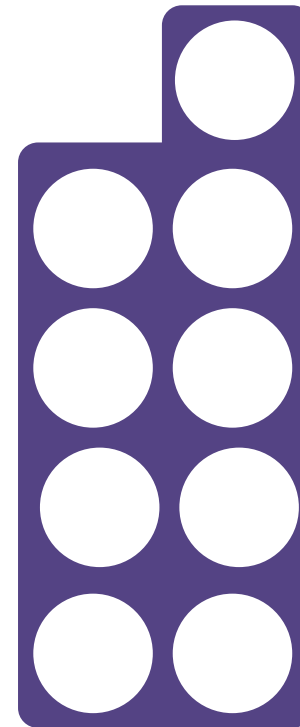
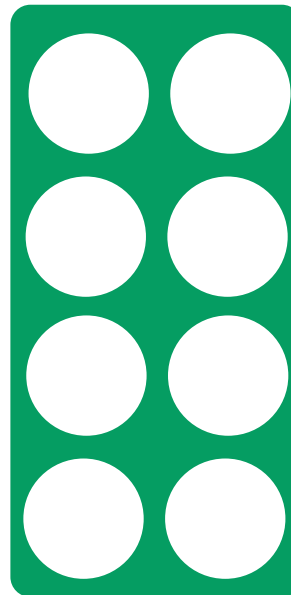
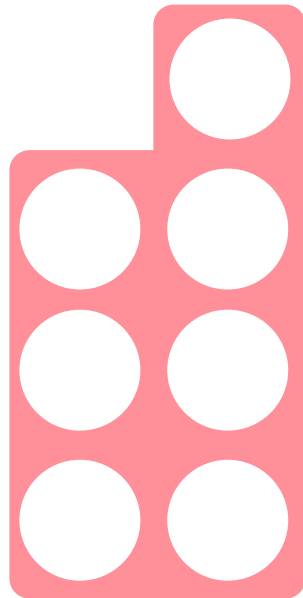
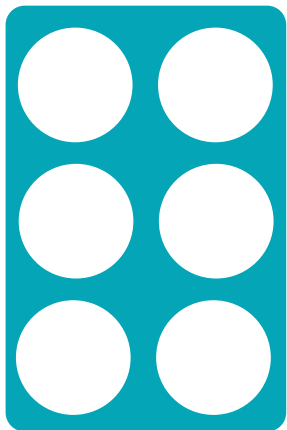
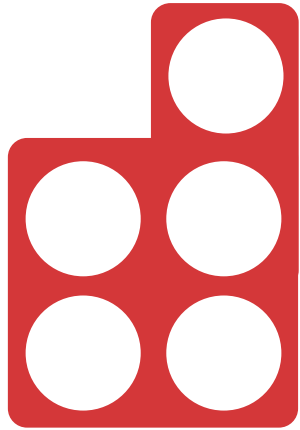
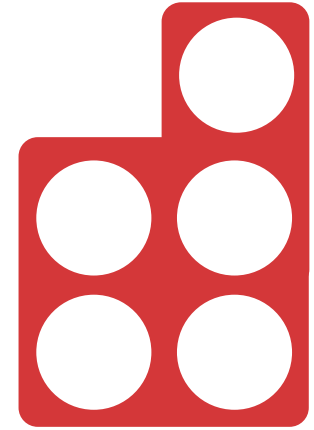
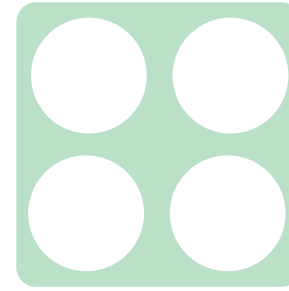
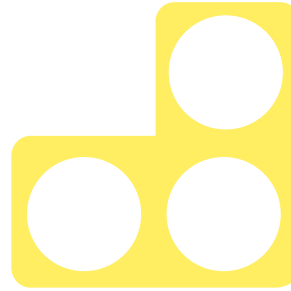
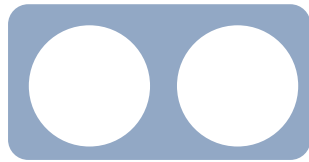
$$8 + 2 = 10$$

$$7 + 3 = 10$$


$$6 + 4 = 10$$

$$5 + 5 = 10$$


**A Bit Stuck?**  
**Shape sums**



## Check your understanding

### Questions

Choose 3 number cards.

Choose an efficient strategy to add them (*did you spot a pair that adds to 10, a double...?*)

Write the answer.



Tell me why you added them in that order.

Choose three more and do it again...

---

*Fold here to hide answers*

---

## Check your understanding

### Answers

Strategies to look for include....

- Number bonds to 10 (e.g.  $7 + 3$ ,  $6 + 4$ )
- Using place value to add to 10 (e.g.  $10 + 5 = 15$ )
- Using a double ( $7 + 7$ ) or near double ( $5 + 6$ )
- Counting on from a larger number, e.g.  $5 + 3$  rather than  $3 + 5$ .