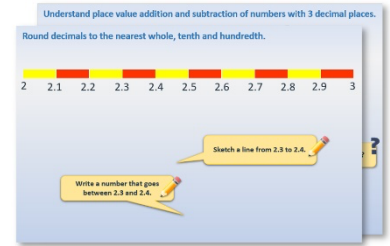


## Year 1: Week 3, Day 3

### 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.

**Practice Sheet (Add)**

**Practice Sheet (Sub)**

**Place value addition and subtraction**

**Sheet 1**

1. $4538 + 02$	2. $4538 + 003$
3. $4538 - 0004$	4. $4538 - 002$
5. $6231 + 011$	6. $6231 + 011$
7. $6231 + 0011$	8. $5846 - 0011$
9. $5846 - 013$	10. $5846 - 0013$
11. $5846 - 0204$	12. $4789 - 0001$

**Challenge**

Start at 4,562.

Add tenths and hundredths to make an addition chain ending with the number 4,627.

Start at 50,350.

Subtract tenths, hundredths and thousandths to make a subtraction chain ending with the number 9,762.

3. Finding it tricky? That's OK... have a go with a grown-up at [A Bit Stuck?](#)

## Decorate the decimal

Activity 3


### Decorate the decimal

Activity 3

**Work in pairs**

Things you will need:

- Nine different coloured pencils
- A place value chart
- A pencil



**What to do:**

- Without showing your partner, write down a number with three decimal places like 0.12345
- Use 1 coloured pencil to shade numbers on the place value chart which also do not make your number
- Show your partner the chart
- Use green ink on the shaded numbers and write the unshaded number
- Does what they have written, match your number?
- Swap the roles repeat
- Use a different coloured pencil to shade numbers on the place value and number display (shaded + correct) be it used

Is	0.001s

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**5-6-7-8-9-10-11**

Write numbers in only three of each two columns to make numbers with three decimal places which are 0.1 or 0.2 or 0.3 or 0.4 or 0.5

**Learning objectives:**

- Know the value of each digit in numbers with three decimal places
- Use hundreds and tens as place holders in numbers with three decimal places

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

Identify the value of the '4' in the following numbers:

- (a) 3.407
- (b) 4.821
- (c) 0.043
- (d) 5.104
- (e) 48,739

---

How many times must Dan multiply 0.048 by 10 to get 48,000?

---

## 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

$$\begin{array}{c} 9 \\ 4 \\ 1 \end{array} \quad \square + \square + \square = \square$$

$$\begin{array}{c} 4 \\ 5 \\ 6 \end{array} \quad \square + \square + \square = \square$$

$$\begin{array}{c} 5 \\ 2 \\ 8 \end{array} \quad \square + \square + \square = \square$$

$$\begin{array}{c} 3 \\ 7 \\ 8 \end{array} \quad \square + \square + \square = \square$$

$$\begin{array}{c} 7 \\ 3 \\ 4 \end{array} \quad \square + \square + \square = \square$$

$$\begin{array}{c} 3 \\ 6 \\ 4 \end{array} \quad \square + \square + \square = \square$$

$$\begin{array}{c} 5 \\ 9 \\ 5 \end{array} \quad \square + \square + \square = \square$$

### 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**



$$10 + 0 = 10$$


$$9 + 1 = 10$$

$$8 + 2 = 10$$

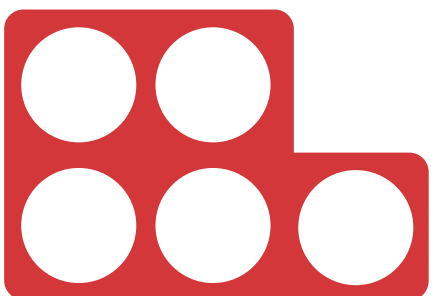
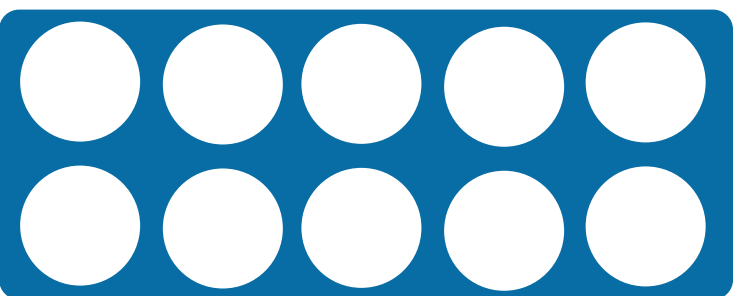
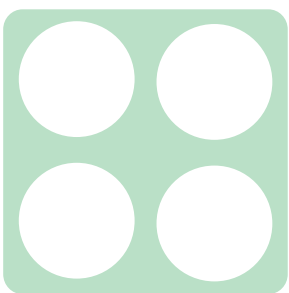
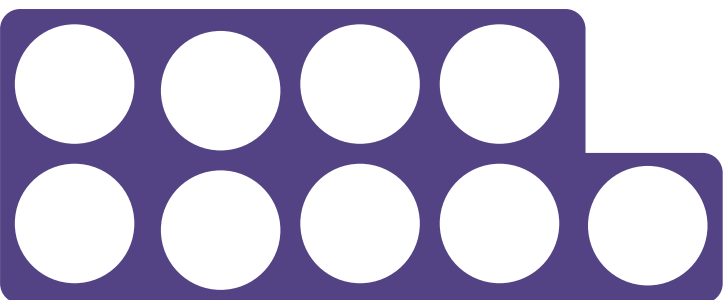
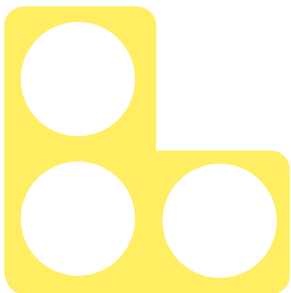
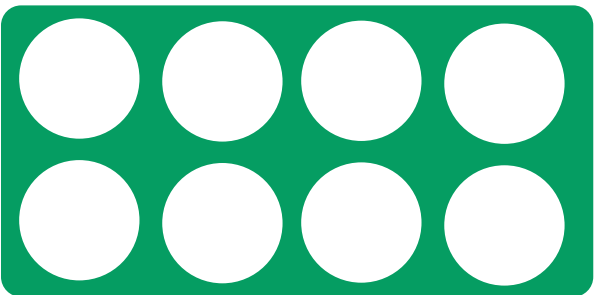
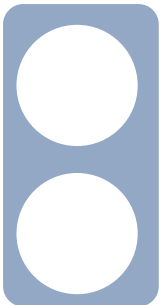
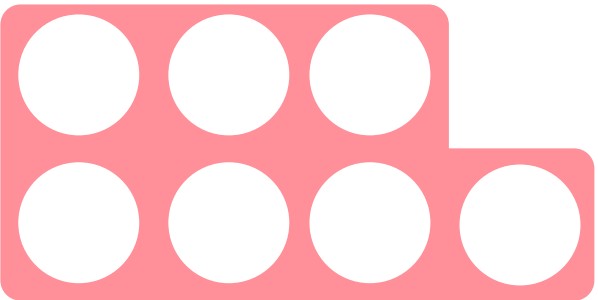
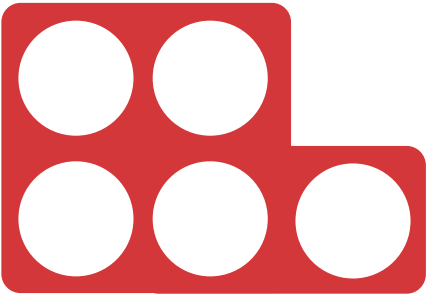
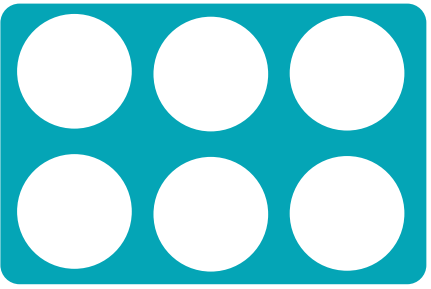
$$7 + 3 = 10$$


$$6 + 4 = 10$$

$$5 + 5 = 10$$


**A Bit Stuck?**  
Shape sums

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## 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  $3 + 5$ .