OX CLOSE PRIMARY SCHOOL

Dedicated to Excellence

Week Commencing: Monday 01.06.2020

Year Group: Year 3

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	LC: Can you add and subtract 2-digit and 3-digit numbers - not crossing 10 or 100?	LC: Can you add 2-digit and 3-digit numbers - crossing 10 or 100?	LC: Can you subtract a 2-digit number from a 3-digit number -crossing 10 or 100?	LC: Can you add two 3-digit numbers - not crossing 10 or 100?	LC: Can you complete a challenge?
Activity	**Starter:** Times Table Rockstars Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group. **Main:** Go to the following website: https://vimeo.com/417332039 Watch the video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:**	**Starter:** Times Table Rockstars Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group. **Main:** Go to the following website: https://vimeo.com/417332285 Watch the video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:**	**Starter:** Times Table Rockstars Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group. **Main:** Go to the following website: https://vimeo.com/417332443 Watch the video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:**	**Starter:** Times Table Rockstars Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group. **Main:** Go to the following website: https://vimeo.com/417332649 Watch the video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:**	**Starter:** Times Table Rockstars Battle of the Bands have been set for Y3 children. Don't forget to use Rock Slam to individually challenge others in your class or year group. **Main:** No video today can the children challenge themselves and answer the four questions found in the resources. **Independent Task:**

Children to complete the activity found in the resources section.	Children to complete the activity found in the resources section.	Children to complete the activity found in the resources section.	Children to complete the activity found in the resources section.	Children to complete the activity found in the resources section.

In this week's planning the children will be recapping previous learning from earlier this year. The idea behind this is to consolidate children's understanding of key concepts to help prepare them for next year. We are aware that some children may already have a sound understanding of some of these areas of learning, while others will still need to practise them. For any children who are very confident in working through the White Rose worksheet, I have attached some additional activities at the bottom of the planning to further deepen children's understanding.

Add and subtract 2-digit and 3-digit numbers – not crossing 10 or 100

1 Work out the additions.

a)

Hundreds	Tens	Ones

	H	T	O
	2	5	1
+		3	2

b)

H	T	O

	H	T	O
	3	0	7
+		4	2

c)

	H	T	O
	2	3	7
+		5	1

d)

	H	T	O
	7	5	2
+		3	7

2 Work out these subtractions.

a)

H	T	O

	H	T	O
	4	2	7
–		1	5

b)

H	T	O

	H	T	O
	5	3	6
–		3	5

c)

	H	T	O
	7	8	5
–		5	2

d)

	H	T	O
	9	8	5
–		7	2

3 Complete the additions.

a) £69 + £220 = £ ⬚

b) 314 + 42 + 23 = ⬚

4 **a)** Eva uses a number line to work out 312 + 37

+ 30   + 7

300   312   342 349   400
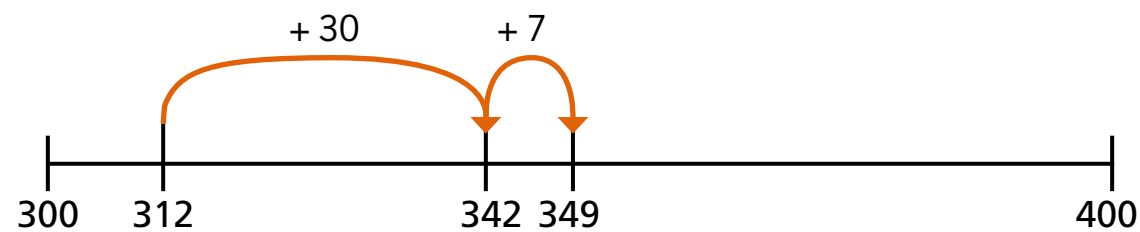
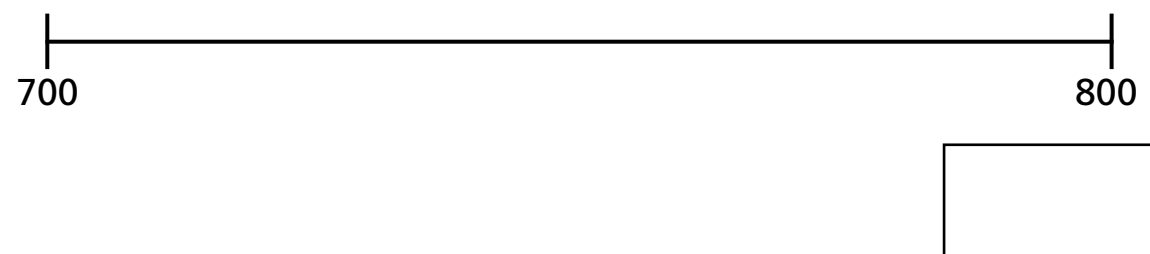What has Eva done? Talk to a partner.

b) Use the number line to work out 425 + 63

400   500
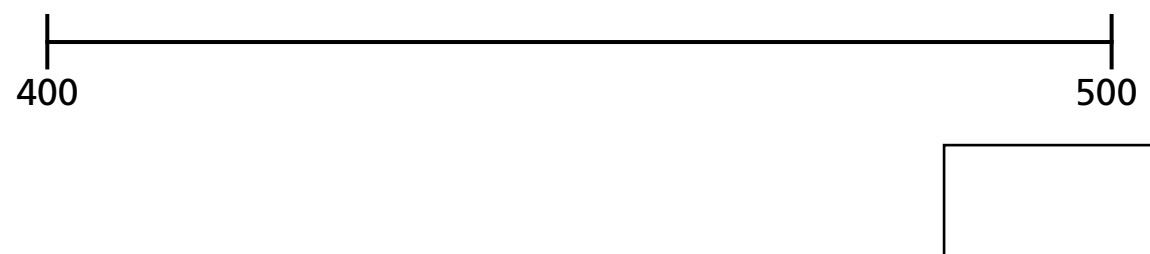
c) Use the number line to work out 774 – 62

700   800

5 Esther has a piece of wood 255 cm long.

She cuts it into 2 pieces.

34 cm

One piece is 34 cm long.

How long is the other piece?

6 Filip wants to buy these two items.

£125

£72

He has £200

Does he have enough money? _____

How do you know? Talk to a partner.

7 Use the digit cards to make each calculation correct.

1	3	6	7	9
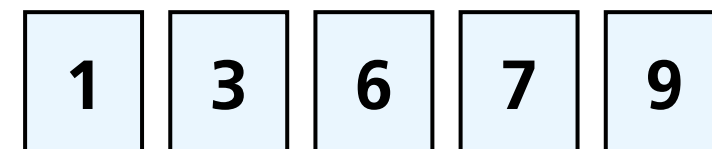
	H	T	O
+			
	9	9	8

	H	T	O
+			
	9	8	9

	H	T	O
−			
	1	6	1

	H	T	O
−			
	6	2	2

Rank by difficulty

49 + 48

56 + 42

73 + 49

There is no definitive answer it depends on the child's reasoning skill. Some might say that 56 + 42 is the easiest as they are not crossing into the tens column. Other children might say 73 + 79nis easiest they might say that if they add a 1 from 73 to the 79 to make 80 and then add the 72 to make a 152. It is the reasoning and explanation by the children that is important.
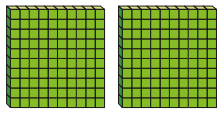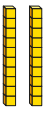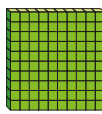
Tuesday 02.06.2020
Add 2-digit and 3-digit numbers – crossing 10 or 100
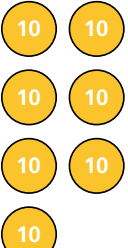
1 Use the place value chart to work out 328 + 36

H	T	O

	H	T	O
	3	2	8
+		3	6

+

2 Work out the additions.

a) 572 + 45
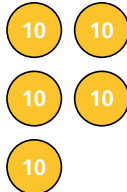
H	T	O

	H	T	O
	5	7	2
+		4	5

+

b) 754 + 66

H	T	O

	H	T	O
	7	5	4
+		6	6

+

3 Work out the additions.

a)

	H	T	O
	1	7	5
+		7	2

b)

	H	T	O
	3	0	7
+		8	4

c) 35 kg + 239 kg

d) 845 + 72

e) 436 + 85

f) £739 + £68

4 Ron works out 476 + 35

```
  4 7 6
+   3 5
─────────
  8 2 6
    1
```

What mistake has Ron made?
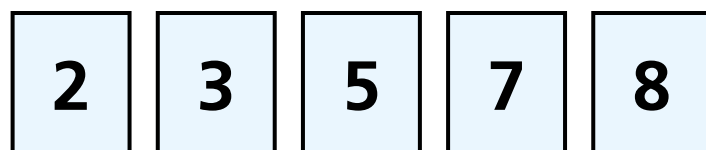
Work out the correct answer.

[   ]

5 Alex collects stickers.

She has collected 286 stickers.

She only needs 69 more stickers to fill the album.
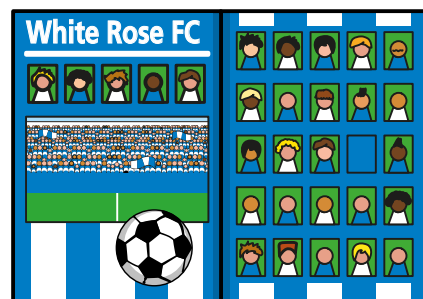
How many stickers does the album hold when full?

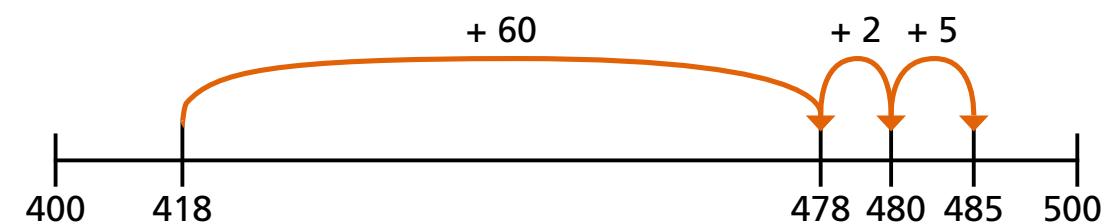[   ]

6 Here are some digit cards.

| 2 | 3 | 5 | 7 | 8 |

Arrange the digits to make two different additions that have just one exchange.

	H	T	O
+			

	H	T	O
+			

7 Mo uses a number line to work out an addition.

+ 60   + 2 + 5

400   418   478 480 485 500

What addition has Mo worked out?

[   ] + [   ] = [   ]

8 Use the number lines to complete the additions.

a) 235 + 47 = [   ]

200   300

b) 235 + 87 = [   ]

200   300   400
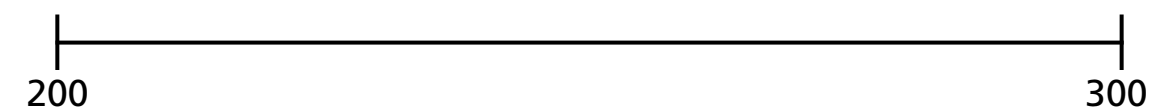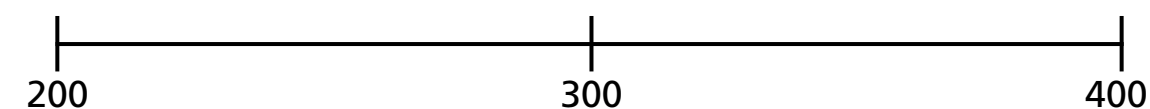
How many ways?

$$\begin{array}{r} \square 8 \\ + 2\square \\ \hline \square\square 6 \end{array}$$

Fill in the missing digits.

Level 1: I can find a way

Level 2: I can find different ways

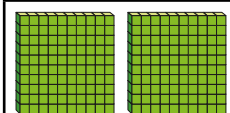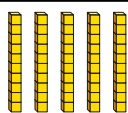Level 3: I know how many ways there are

How many ways? Answers:
 1: Three ways (78+28=106, 88+28=116, 98+28=126)

Subtract 2-digit numbers from 3-digit numbers – crossing 10 or 100

White Rose Maths

1 Use base 10 to make the number 253

Subtract 27 from 253
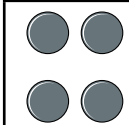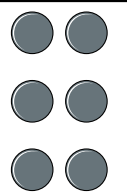
Hundreds	Tens	Ones

a) Show a partner the method you used.

b) Complete the column subtraction.

	H	T	O
	2	5	3
−		2	7

2 Work out 426 − 82

H	T	O

	H	T	O
	4	2	6
−		8	2

3 Work out the subtractions.

a)

	H	T	O
	2	6	5
−		3	8

d) 212 cm − 42 cm

b)

	H	T	O
	1	7	2
−		3	9

e) 413 − 65

c) 538 − 75

f) 847 − 79

4 A film is shown 3 times in a day.

The table shows how many children watch each showing.

Showing time	11 am	3 pm	7 pm
Number of children	462	295	78

How many more children watch the 11 am showing than the 7 pm showing?

5 Find the missing values.

a)

728	
45	

b)

650		
38	53	

6 What mistakes have been made in these column subtractions?

a)

```
  3 5 7
−   2 9
  3 3 2
```

_____

_____

_____

b)

```
   ⁴⁵6 ¹0 ¹2
 −    3 5
    4 7 7
```

_____

_____

_____

7 Whitney uses a number line to show that 435 − 78 = 357
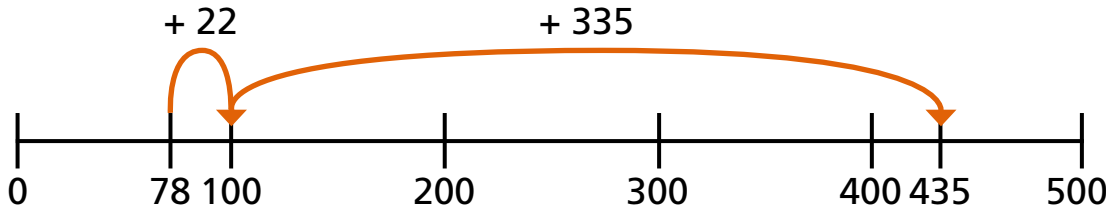
Explain what you think Whitney has done.

_____

_____

8 Work out the missing digits.

a)

		H	T	O	
			4	5	
	−		2		
		7		6	

b)

		H	T	O	
			3		
	−		7	8	
			2	8	

9 a) Use three different methods to work out 470 − 79

Compare methods with a partner.

b) How can you work out 500 − 68 in your head?

What method did you use?

_____

_____

Gold, silver, bronze

Here are three ways of calculating **405 – 297**

Method 1

$$405 - 297$$
$$+3 \qquad +3$$
$$408 - 300 = 108$$

Method 2

$$\begin{array}{r} {\scriptstyle 3\ 9\ 1} \\ \cancel{405} \\ -297 \\ \hline 108 \\ \hline \end{array}$$

Method 3

+100

+3   +5

297 300   400 405
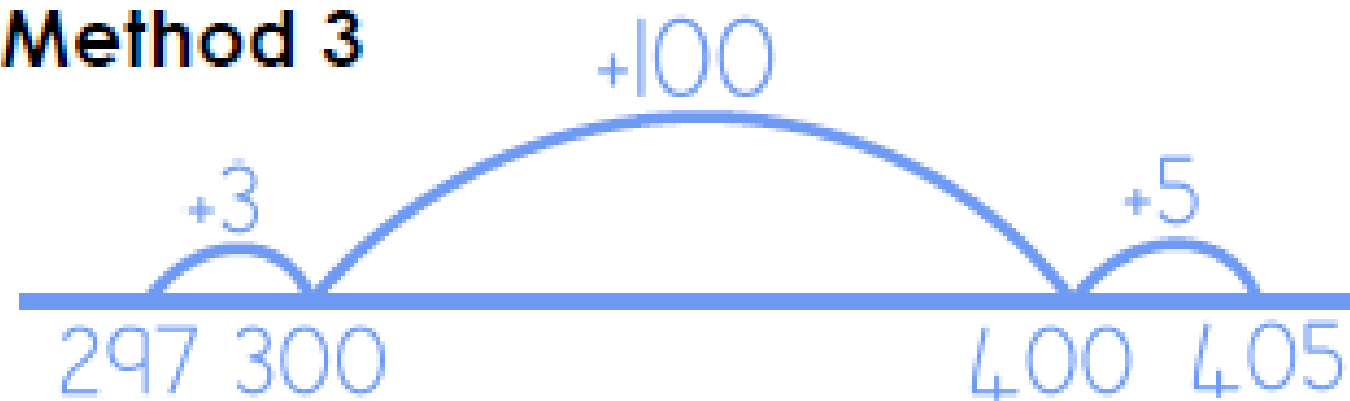
Rank each method as gold, silver or bronze.

Add two 3-digit numbers – not crossing 10 or 100

1 Complete the column addition.

Use base 10 to help you.

Hundreds	Tens	Ones

+

		H	T	O	
		4	5	3	
	+	1	2	5	

2 Kim uses counters and a place value chart to help her work out 362 + 205

Hundreds	Tens	Ones

+

		H	T	O	
		3	6	2	
	+	2	0	5	

a) Draw counters to complete the chart.

b) Complete the column addition.

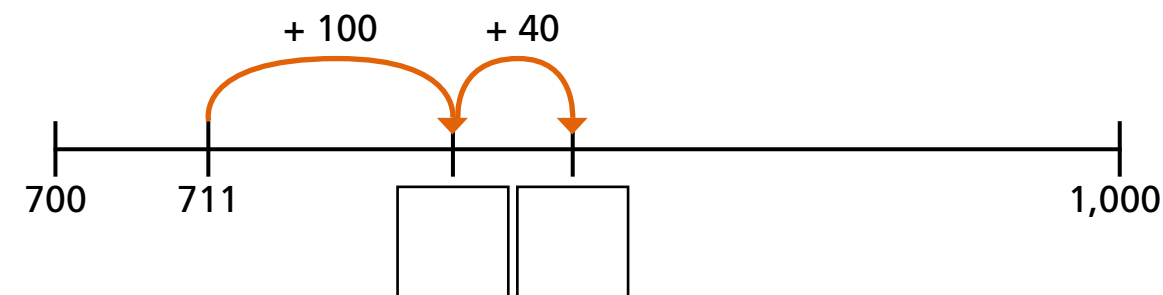**c)** Which column did you add first? Talk to a partner about your method.

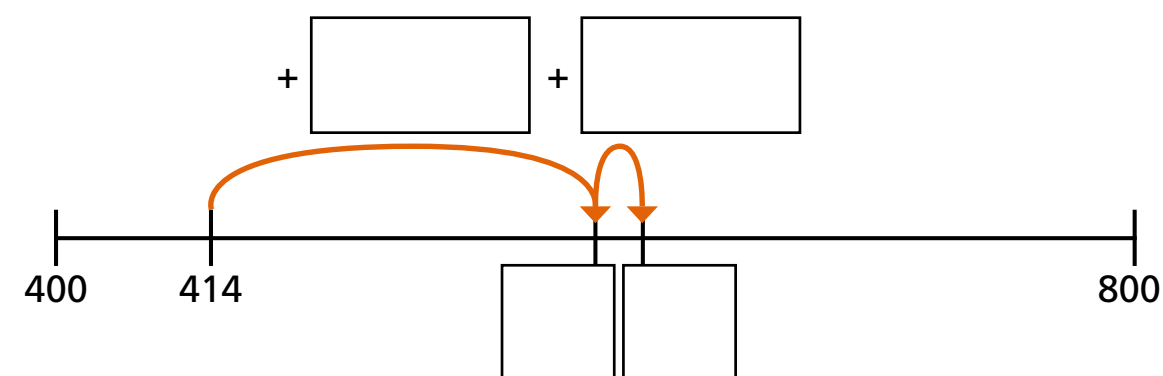**3** Mrs Morgan drives 230 km on Monday.

On Tuesday she drives 169 km.

How far does she drive in total on Monday and Tuesday?
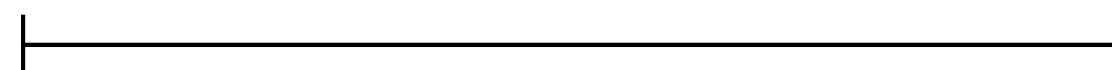
4 Complete the number line to work out the addition.

a) 711 + 140 =

+ 100   + 40

700   711   1,000

b) 414 + 203 =

+   +

400   414   800

c) 502 + 384 =

5 Complete the additions.

a) 736 + 203 = ☐

c) £391 + £505 = ☐

b) 184 + 105 = ☐

6 The table shows the number of boys and girls in 2 schools.

	Boys	Girls
School A	224	305
School B	400	

a) The total number of children in each school is equal.

Without working it out, which school has the most girls?

_____

How do you know?

b) How many girls are there in school B?

☐

7 Three children each work out an addition problem.

● Each child uses the same 6 digits.

● Each addition gives the same answer of 888

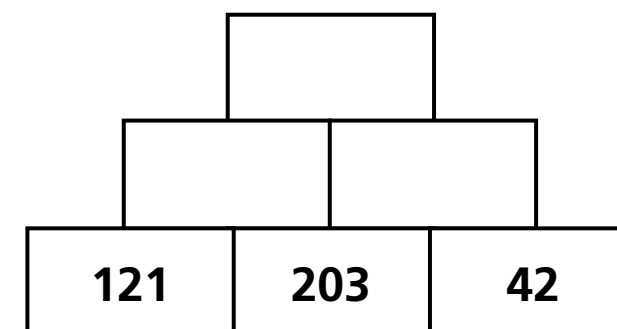● Each child adds 2 different numbers together.

Work out a possible set of addition problems.

		H	T	O					H	T	O					H	T	O
+						+						+						
		8	8	8					8	8	8					8	8	8

8 Here is an addition pyramid.

Add the two numbers below to make the number above.

a) Complete the addition pyramid.

```
        ┌────────┐
        │        │
    ┌────────┬────────┐
    │        │        │
┌────────┬────────┬────────┐
│  121   │  203   │   42   │
└────────┴────────┴────────┘
```

b) Complete the addition pyramid.

None of the additions should have an exchange.

The total is 768

```
        ┌────────┐
        │  768   │
    ┌────────┬────────┐
    │        │        │
┌────────┬────────┬────────┐
│        │        │        │
└────────┴────────┴────────┘
```
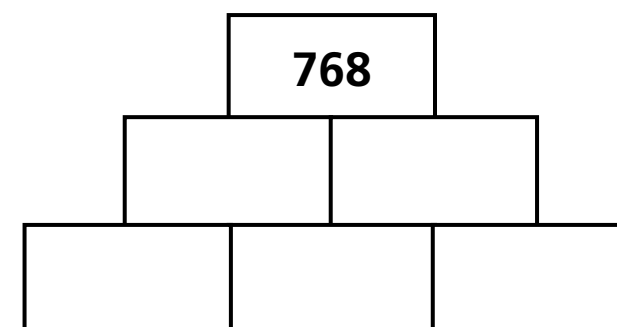
Compare answers with a partner.

Missing digits

$$\begin{array}{r} \square\,9\,\square \\ +\ \square\,\square\,6 \\ \hline 3\,4\,9 \end{array}$$

Fill in the missing digits.

Answer: 193+156=349

Friday 05.06.2020

Challenge 1

Jane is standing in a queue.

There are 5 people in front of her.

There are 2 people behind her.

How many people are in the queue?

Challenge 2

I have 80 pence.

Rosie

I have 12 pence.

Mo

Rosie gives Mo 25 pence.

How much more money does Rosie have than Mo now?

White Rose Maths

Challenge 3

If

$$70 + \bigcirc = 100$$

$$50 + \triangle = 100$$

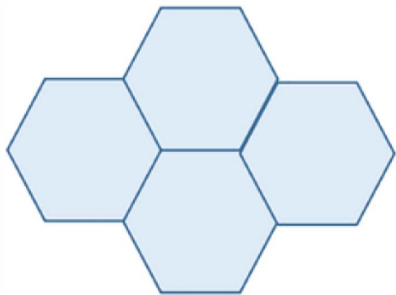$$\bigcirc + \triangle + \square = 100$$

What is the value of the blue square?

Challenge 4

The perimeter of this regular hexagon is 42 cm.
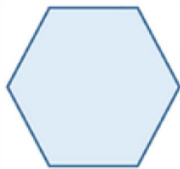
Four of these hexagons are put together to make this shape.

What is the perimeter of the shape?

Where can I complete further work?

Twinkl – Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code **UKTWINKLHELPS** for access to worksheets, powerpoints and interactive games to support all areas of learning.

Classroom Secrets – Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

White Rose Maths – Free Maths home learning resources for all ages. Watch the videos and try the questions.

Primary Stars – Free Maths home learning packs for Year 1 and 2.

BBC Bitesize Primary – Free learning resources available for KS1 and KS2 across all subjects.

I See Maths – Free daily home maths lessons hosted by Gareth Metcalfe. Follow the link for videos, information and resources.

Top Marks – Free educational resources and games for English and Maths.

ICT Games – Free educational resources and games for English and Maths.