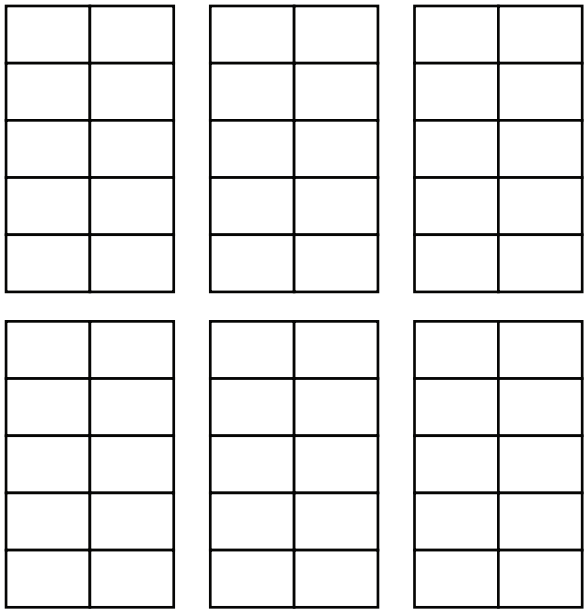
Week One

Task 1

Use the tens frames to represent the number 53.



Task 2

Gina can juggle 6 balls at once. She practices lots and then can juggle one more.

How many balls can Gina juggle now?

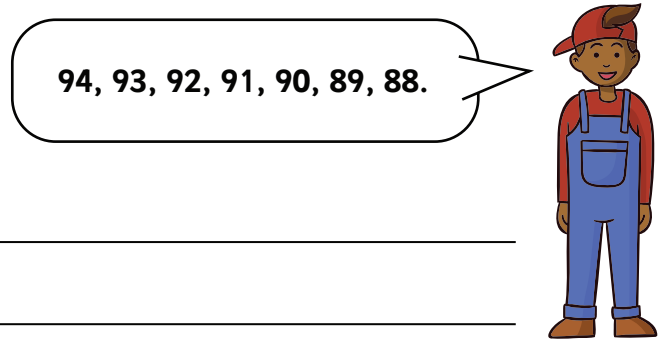
Task 3

Complete the addition sums. What do you notice?

0 + 800 = ____
400 + ____ = 800
____ + 500 = 800
____ = 600 + 200

Task 4

Kel is counting back to solve 94 – 7. Is he correct? Explain.



Task 5

Complete the addition and subtraction calculations.

699 + 1 = ____
701 – 1 = ____
700 + 0 = ____

Task 6

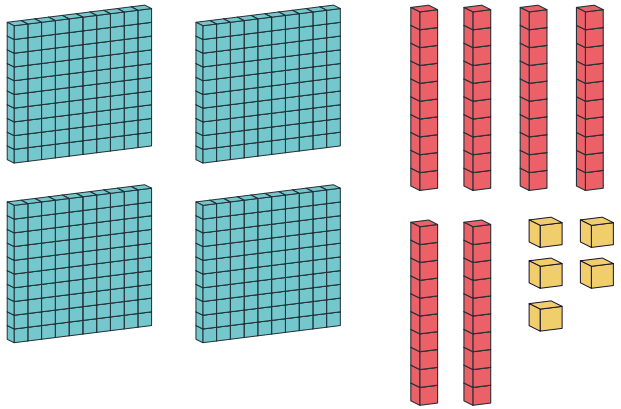
I am thinking of a 2-digit number. It is more than 20 and less than 35.

If I add 1 to it, both the tens and ones digits will change. What is my number?

Week Two

Task 1

What number is represented by the Dienes?



Task 2

Seb is jogging to school.
He jogs 9 km one day,
and one km less the next.

How many km did he run the second day?

Task 3

Complete the subtraction calculations.
What do you notice?

900 – 500 = ____
400 = 900 – ____
600 – ____ = 400
800 – 400 = ____

Task 4

Draw the number 206 using Dienes in the place value chart.

Hundreds	Tens	Ones

Task 5

Hal is doing addition.

50 + 5 = 505

Do you agree with him?
Why or why not?

Task 6

Val has completed an addition sum.

59 + 6 = 66

Correct her mistake.

Week Three

Task 1

What number is represented by the place value chart?

Hundreds	Tens	Ones
100 100	10 10 10	1 1 1 1 1

Task 2

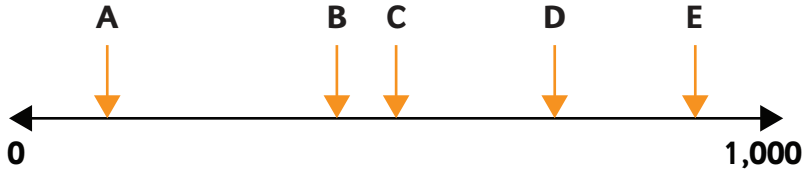
Find the difference between 188 and 99.

Task 3

There are 100 seeds in each pot.
How many seeds are there altogether?

Task 4

Circle the letter that is closest to 750.



Task 5

Solve the subtraction calculations.

699 – 80 = ____
689 – 80 = ____
679 - 80 = ____
669 – 80 = ____

Task 6

Solve the sums.

466 + 7 = ____
220 + 11 = ____
391 + 19 = ____

Week Four

Task 1

Find 1 more or 1 less than the middle number.

1 less	Number	1 more
	100	
258	259	
	463	
	781	782
	835	
	999	

Task 2

Rewrite this addition sum as a multiplication calculation, using 'x'. Solve.

3 + 3 + 3 + 3 + 3 = ____

Task 3

Find the total of 109 and 204.

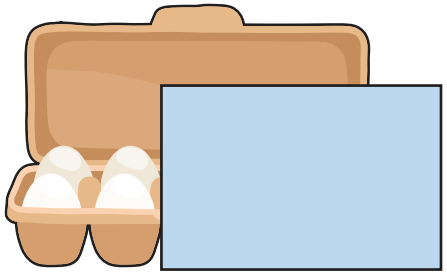
Find the difference between 204 and 109.

Task 4

Make equal groups using these coins.

Task 5

Part of this array is hidden.
There are less than 15 eggs.
What could the array be?



Task 6

Create your own sum using a 2-digit and 3-digit number **where you would not have to exchange**.

Week Five

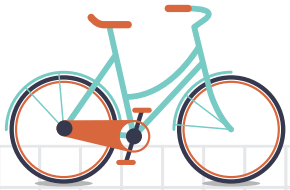
Task 1

Find 10 more or 10 less than the middle number.

10 less	Number	10 more
	98	
146	156	
	404	
	582	592
	637	
	891	

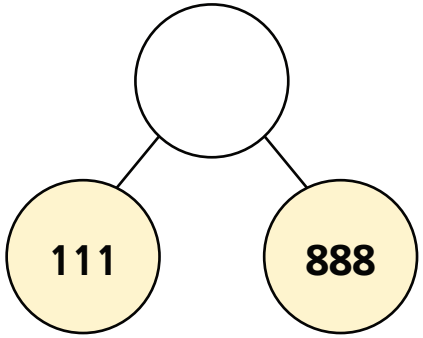
Task 2

There were 11 bicycles at the school gate.
How many wheels were there?



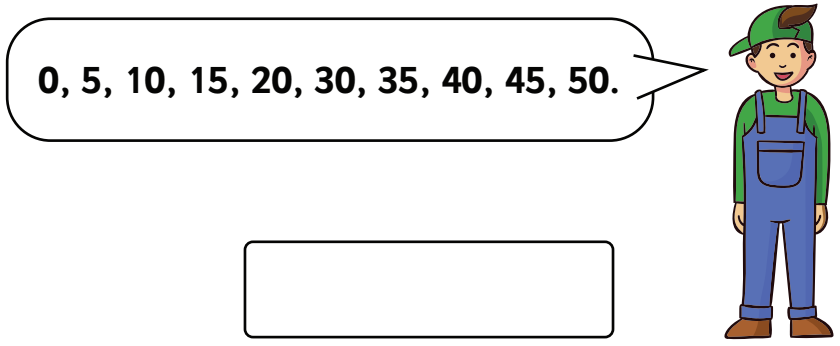
Task 3

Complete the part-whole model.



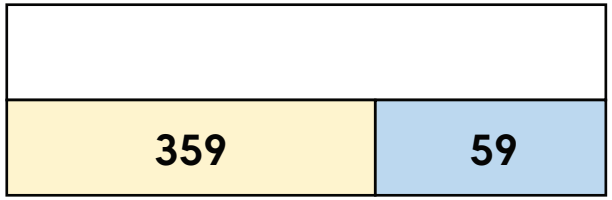
Task 4

Dex was reciting his 5 times table.
What mistake did he make?



Task 5

Complete the model using addition.



Task 6

Which numbers less than 50 appear in the 2, 3, 4 and 8 times table?

Week Six

Task 1

Find 100 more or 100 less than the middle number.

100 less	Number	100 more
	106	
40	140	
	397	
	520	620
	778	
	825	

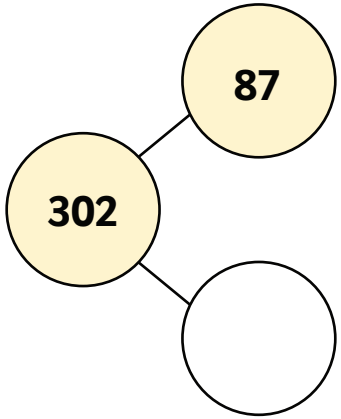
Task 2

Find the missing digit in this calculation.

$14\square - 95 = 50$

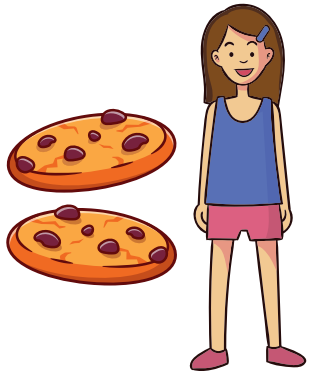
Task 3

Calculate the missing number in the part-whole model.



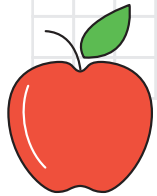
Task 4

There were 5 children.
Lilo is sharing cookies equally between them. If each child received 4 cookies, how many cookies were there in total?



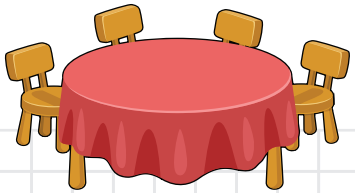
Task 5

How many ways could you put 32 apples into equal groups?



Task 6

There were 48 children sitting at tables of four.
How many tables were there?



Week Seven

Task 1

Colour in the numbers that you would find in the 10 times table in red and the 5 times table in blue.
Which numbers are purple?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Task 2

Elena has 24 socks.
How many pairs of socks does she have?

Task 3

Ren has 391 sweets. She gives 292 to her friend.
How many sweets does she have left?

Task 4

Gigi says that 262 + 102 = 364 is the same as 364 – 102 = 262.
Do you agree? Explain.

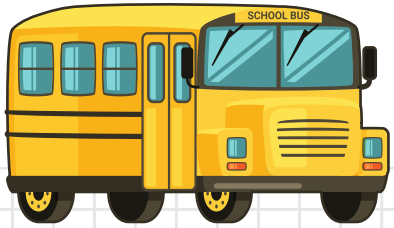
Task 5

Use <, > or = to compare these numbers.

eight hundred	◯	650
408	◯	480
527	◯	725
one thousand	◯	999

Task 6

How many tyres do 9 buses have?



Week Eight

Task 1

Complete these multiplication calculations.

0 x 3 = ____	6 x 3 = ____
3 x 1 = ____	3 x 7 = ____
3 x 3 = ____	8 x 3 = ____
3 x 5 = ____	3 x 9 = ____

Task 2

Order the numbers.

810	840	759
239	600	512

Put these digits in order, largest to smallest.

Task 3

There were 6 octopuses hiding in the coral.
How many tentacles were there in total?

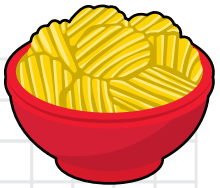
Task 4

Remy is thinking about calculations.
Do you agree with him? Explain.

Adding or subtracting a 1 digit number only ever affects the ones column.

Task 5

There are 24 crisps. Harry shares them equally between 3 bowls.
How many crisps were in each bowl?



Task 6

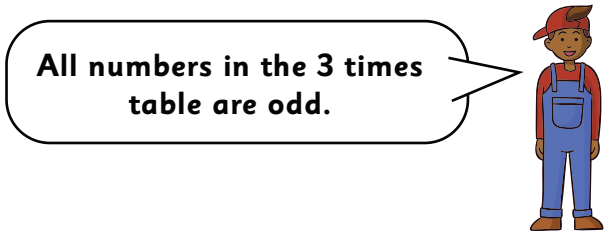
Complete the subtraction calculation, showing exchanges.

		H	T	O	
		8	0	5	
	-	1	1	6	

Week Nine

Task 1

Trevor is thinking about the 3 times table.



Do you agree with him? Why?

Task 2

Order numbers.

994	530	302
150	543	466

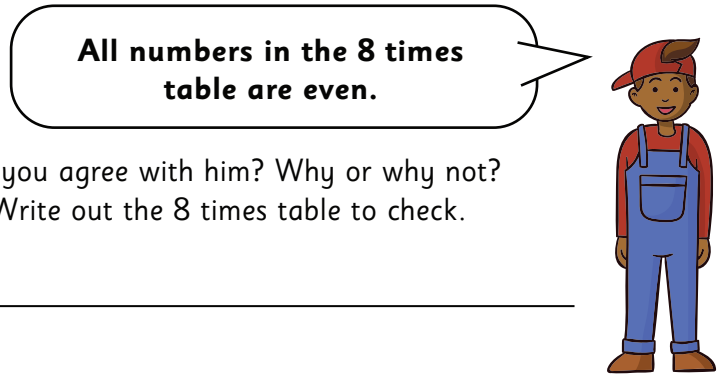
Put these digits in order, smallest to largest.

Task 3

Year 3 is split into teams of 8 for a quiz.
There are 64 children in Y3.
How many groups are there?

Task 4

Trevor is thinking about the 8 times table now.



Do you agree with him? Why or why not?
Write out the 8 times table to check.

Task 5

Match each number to its 'near number'.

249	200
568	600
610	550
205	250

Task 6

Here are 3 digit cards.

2	1	4

Make two 3-digit numbers by using each card twice, then add the numbers together.

What is the largest number you can make in this way?

Week Ten

Task 1

Use <, > or = to compare the number sentences.

200 + 100	◯	200 – 100
369 + 200	◯	409 – 200
682 – 500	◯	912 – 800
968 – 0	◯	899 + 100

Task 2

Use near numbers to estimate the answer to this calculation:

792 + 104 = ____

Task 3

Oliver is thinking about the 8 times table.

All numbers in the 4 times table are in the 8 times table.

Do you agree with him? Why or why not?

Task 4

Complete the number tracks by counting in 50s.

0			150		

115		215			

Task 5

Check the answer to this calculation using the inverse operation.
Fix any errors.

293 + 65 = 348

Task 6

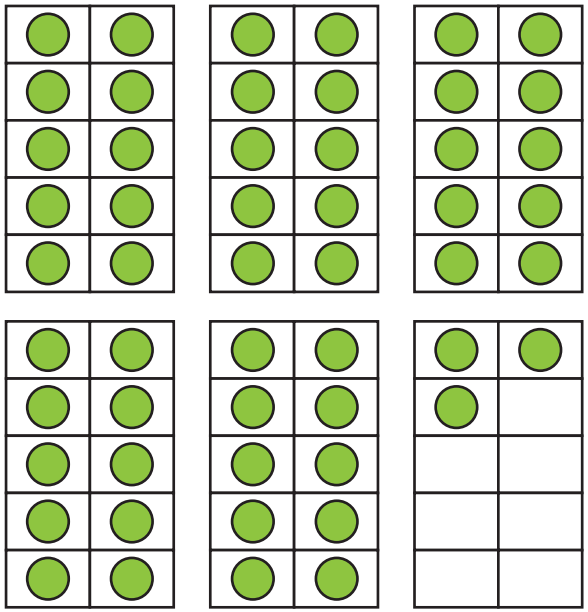
Complete the addition sum, showing exchanges.

		3	8	9	
	+	2	5	4	

Week One

Task 1

Use the tens frames to represent the number 53.



Task 2

Gina can juggle 6 balls at once. She practices lots and then can juggle one more.

How many balls can Gina juggle now?

7

Task 3

Complete the addition sums. What do you notice?

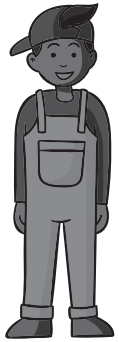
0 + 800 = 800
400 + 400 = 800
300 + 500 = 800
800 = 600 + 200

All solve to equal 800.

Task 4

Kel is counting back to solve 94 – 7. Is he correct? Explain.

94, 93, 92, 91, 90, 89, 88.



No – he has included 94 when counting back by accident.
It should be 94 – 7 = 87.

Task 5

Complete the addition and subtraction calculations.

699 + 1 = 700
701 – 1 = 700
700 + 0 = 700

Task 6

I am thinking of a 2-digit number. It is more than 20 and less than 35.

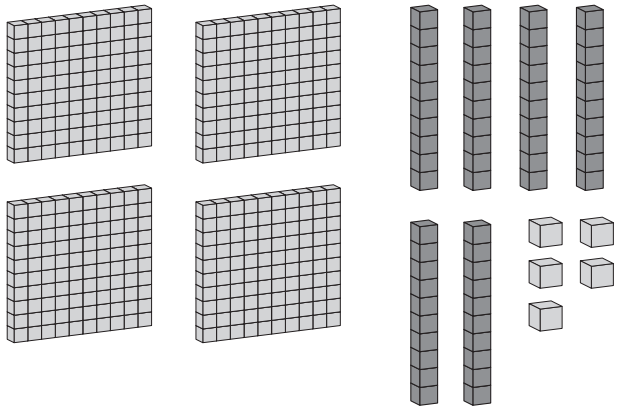
If I add 1 to it, both the tens and ones digits will change. What is my number?

29

Week Two

Task 1

What number is represented by the Dienes?



465

Task 3

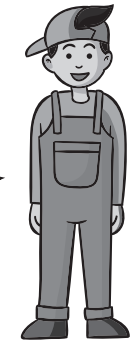
Complete the subtraction calculations.
What do you notice?

900 – 500 = 400	
400 = 900 – 500	
600 – 200 = 400	
800 – 400 = 400	

e.g. All calculations solve to equal 400.

Task 5

Hal is doing addition.



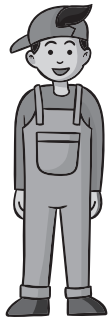
50 + 5 = 505

Do you agree with him?
Why or why not?

No – he has forgotten place value rules.

50 + 5 = 55

Task 2



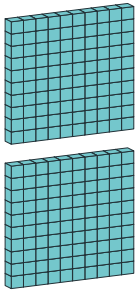
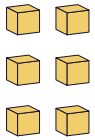
Seb is jogging to school.
He jogs 9 km one day,
and one km less the next.

How many km did he run the second day?

8 km

Task 4

Draw the number 206 using Dienes in the place value chart.

Hundreds	Tens	Ones
		

Task 6

Val has completed an addition sum.

59 + 6 = 66

Correct her mistake.

59 + 6 = 65

Week Three

Task 1

What number is represented by the place value chart?

Hundreds	Tens	Ones
100 100	10 10 10	1 1 1 1 1

235

Task 2

Find the difference between 188 and 99.

89

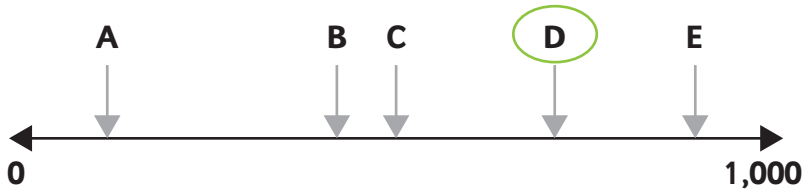
Task 3

There are 100 seeds in each pot.
How many seeds are there altogether?

300

Task 4

Circle the letter that is closest to 750.



Task 5

Solve the subtraction calculations.

699 – 80 = 619
689 – 80 = 609
679 - 80 = 599
669 – 80 = 589

Task 6

Solve the sums.

466 + 7 = 473
220 + 11 = 231
391 + 19 = 410

Week Four

Task 1

Find 1 more or 1 less than the middle number.

1 less	Number	1 more
99	100	101
258	259	260
462	463	464
780	781	782
834	835	836
998	999	1,000

Task 2

Rewrite this addition sum as a multiplication calculation, using 'x'. Solve.

3 + 3 + 3 + 3 + 3 = _____

3 x 5 = 15
or
5 x 3 = 15

Task 3

Find the total of 109 and 204.

313

Find the difference between 204 and 109.

95

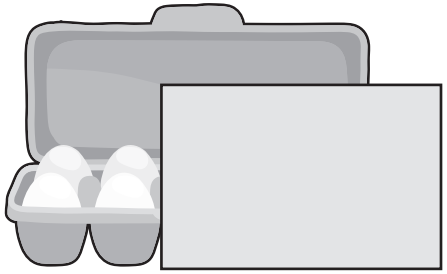
Task 4

Make equal groups using these coins.

3 groups of 10p or 2 groups of 15p

Task 5

Part of this array is hidden.
There are less than 15 eggs.
What could the array be?



e.g. 2 x 3
2 x 4
2 x 5
2 x 6
2 x 7

Task 6

Create your own sum using a 2-digit and 3-digit number **where you would not have to exchange**.

e.g. 11 + 111 = 122

Week Five

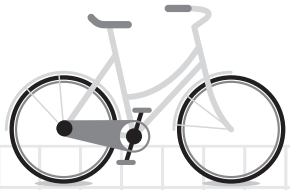
Task 1

Find 10 more or 10 less than the middle number.

10 less	Number	10 more
88	98	108
146	156	166
394	404	414
572	582	592
627	637	647
881	891	901

Task 2

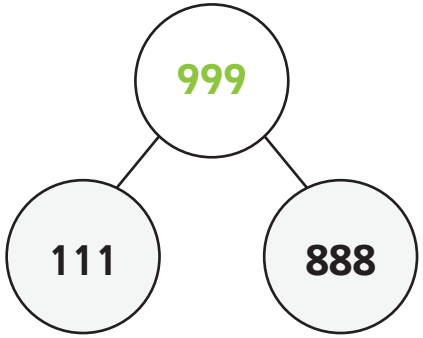
There were 11 bicycles at the school gate.
How many wheels were there?



22

Task 3

Complete the part-whole model.



Task 4

Dex was reciting his 5 times table.
What mistake did he make?

0, 5, 10, 15, 20, 30, 35, 40, 45, 50.

He forgot 25.

Task 5

Complete the model using addition.

418	
359	59

Task 6

Which numbers less than 50 appear in the 2, 3, 4 and 8 times table?

24 and 48

Week Six

Task 1

Find 100 more or 100 less than the middle number.

100 less	Number	100 more
6	106	206
40	140	240
297	397	497
420	520	620
678	778	878
725	825	925

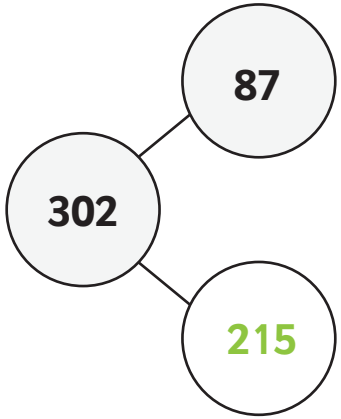
Task 2

Find the missing digit in this calculation.

$14\boxed{5} - 95 = 50$

Task 3

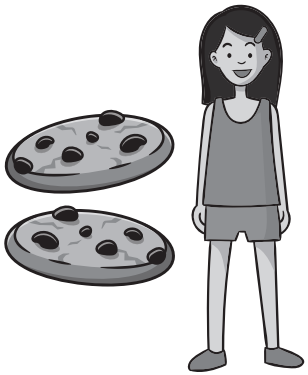
Calculate the missing number in the part-whole model.



Task 4

There were 5 children.
Lilo is sharing cookies equally between them. If each child received 4 cookies, how many cookies were there in total?

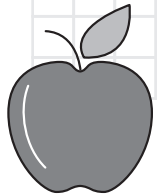
20



Task 5

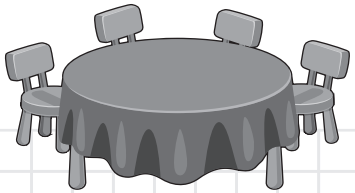
How many ways could you put 32 apples into equal groups?

32 in 1
16 in 2
8 in 4
4 in 8
2 in 16
1 in 32



Task 6

There were 48 children sitting at tables of four.
How many tables were there?



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Week Seven

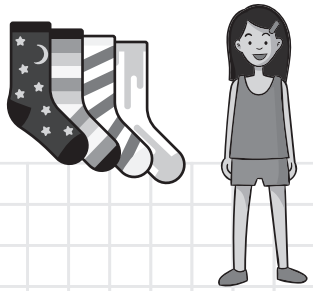
Task 1

Colour in the numbers that you would find in the 10 times table in red and the 5 times table in blue. Which numbers are purple?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Task 2

Elena has 24 socks.
How many pairs of socks does she have?



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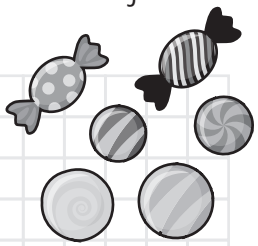
Task 3

Ren has 391 sweets. She gives 292 to her friend.
How many sweets does she have left?



99

Task 4

Gigi says that 262 + 102 = 364 is the same as 364 – 102 = 262.
Do you agree? Explain.

They have a relationship but they are not the same. They are inverse operations.

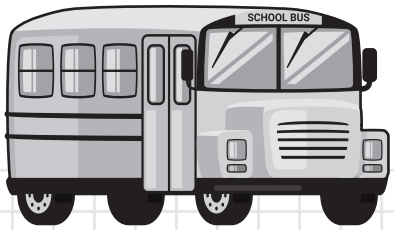
Task 5

Use <, > or = to compare these numbers.

eight hundred	>	650
408	<	480
527	<	725
one thousand	>	999

Task 6

How many tyres do 9 buses have?



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Week Eight

Task 1

Complete these multiplication calculations.

0 x 3 = 0	6 x 3 = 18
3 x 1 = 3	3 x 7 = 21
3 x 3 = 9	8 x 3 = 24
3 x 5 = 15	3 x 9 = 27

Task 2

Order the numbers.

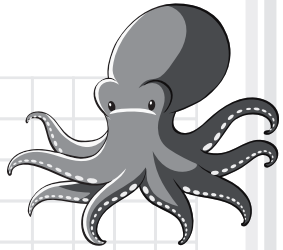
810	840	759
239	600	512

Put these digits in order, largest to smallest.

840	810	759
600	512	239

Task 3

There were 6 octopuses hiding in the coral.
How many tentacles were there in total?



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Task 4

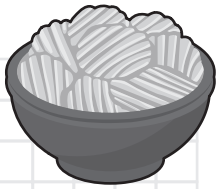
Remy is thinking about calculations.
Do you agree with him? Explain.

Adding or subtracting a 1 digit number only ever affects the ones column.

e.g. Not always true. When crossing ten, for example, the tens or hundreds column could be affected.

Task 5

There are 24 crisps. Harry shares them equally between 3 bowls.
How many crisps were in each bowl?



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Task 6

Complete the subtraction calculation, showing exchanges.

	H	T	O
	7 8	9 10	1 5
-	1	1	6
	6	8	9

Week Nine

Task 1

Trevor is thinking about the 3 times table.

All numbers in the 3 times table are odd.

Do you agree with him? Why?

e.g. no – every second number is even (6, 12, 18, 24... etc)

Task 2

Order numbers.

994	530	302
150	543	466

Put these digits in order, smallest to largest.

150	302	466
530	543	994

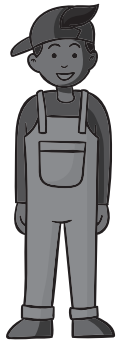
Task 3

Year 3 is split into teams of 8 for a quiz.
There are 64 children in Y3.
How many groups are there?

8

Task 4

Trevor is thinking about the 8 times table now.



All numbers in the 8 times table are even.

Do you agree with him? Why or why not?
Write out the 8 times table to check.

0, 8, 16, 24, 32, 40, 48, 56, 64, 72, 80
He is correct.

Task 5

Match each number to its 'near number'.

249	200
568	600
610	550
205	250

Task 6

Here are 3 digit cards.

2	1	4

Make two 3-digit numbers by using each card twice, then add the numbers together.

What is the largest number you can make in this way?

421 + 421 = 842

Week Ten

Task 1

Use <, > or = to compare the number sentences.

200 + 100	>	200 – 100
369 + 200	>	409 – 200
682 – 500	>	912 – 800
968 – 0	<	899 + 100

Task 2

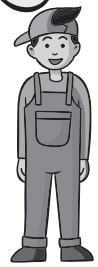
Use near numbers to estimate the answer to this calculation:

792 + 104 = ____

800 + 100 = 900

Task 3

Oliver is thinking about the 8 times table.



All numbers in the 4 times table are in the 8 times table.

Do you agree with him? Why or why not?

No – he as mixed up his times tables. All the numbers in the 8 times table are in the 4 times table.

Task 4

Complete the number tracks by counting in 50s.

0	50	100	150	200	250

115	165	215	265	315	365

Task 5

Check the answer to this calculation using the inverse operation. Fix any errors.

293 + 65 = 348

348 – 293 = 55
so
293 + 65 = 358

Task 6

Complete the addition sum, showing exchanges.

		3	8	9	
	+	2	5	4	
		6	4	3	
		1	1		