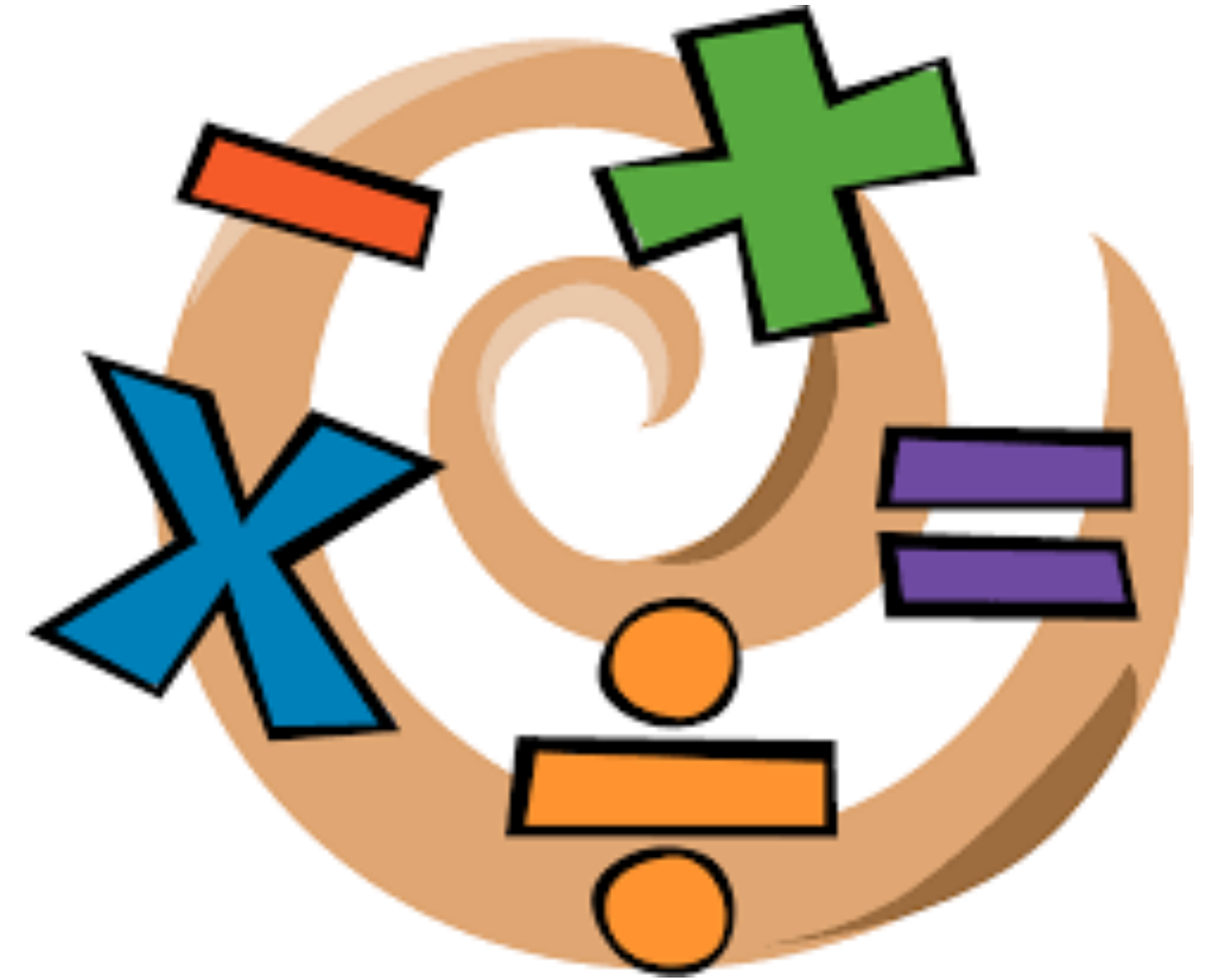


Week 1

Addition and Subtraction



Message to Parents:

The following slides are organised into three different levels of challenge (Bronze, Silver and Gold). If no level is provided it should be appropriate for everyone to access.

Please ensure your child chooses the appropriate level. It is okay for the children to change their level through out the week depending on the task. These tasks can be done over the whole week and can be carried out at the child's own pace.

Feel free to provide additional questions for your child to complete.

Addition

1 + 1 = 2

1 + 2 = 3

2 + 2 = 4

2 + 3 = 5

3 + 3 = 6

3 + 4 = 7

4 + 4 = 8

4 + 5 = 9

5 + 5 = 10

5 + 6 = 11

6 + 6 = 12

6 + 7 = 13

7 + 7 = 14

7 + 8 = 15

8 + 8 = 16

8 + 9 = 17

Addition

Starter - Mental Maths

Set A

Work out these in your head:

1 $100 + 0$

2 $200 + 3$

3 $500 + 8$

4 $110 + 5$

5 $320 + 6$

6 $740 + 4$

Work out these in your head:

7 $117 + 1$

8 $206 + 3$

9 $422 + 5$

10 $213 + 4$

11 $611 + 7$

12 $805 + 2$

Find the missing numbers:

13 $110 + \square = 119$

14 $370 + \square = 376$

15 $930 + \square = 931$

16 $254 + \square = 259$

17 $788 + \square = 789$

18 $463 + \square = 467$

Addition

Video examples of addition methods (Home Learning links)

Column Method for Addition - Carrying of digits in the tens and units columns.

Column Method for Addition - Carrying of digits in all columns





Question: $523 + 295 =$

1 Read the question, then read it again.

2 Think about how to set out the calculation.

3 Add the units first.

4 Next, add the tens.

5 Finally, add the hundreds.

6 Check your answer.

$$523 + 295$$

Using HTU columns is a good way to do this type of sum.

H T U
5 2 3
+ 2 9 5

The units are 3 and 5.
 $3 + 5 = 8$

H T U
5 2 3
+ 2 9 5

8

The tens are $20 + 90 = 110$,
so add 100 to the hundreds
column. Write it underneath
the answer line. Leave
the ten in the tens column.

H T U
5 2 3
+ 2 9 5

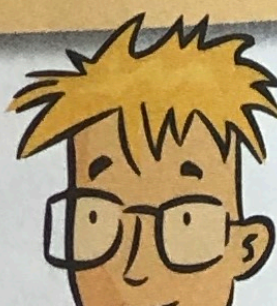
1 8
1

The hundreds are
5, 2 and 1.
 $5 + 2 + 1 = 8$.

H T U
5 2 3
+ 2 9 5

8 1 8
+

Our answer looks correct.



Addition

Example of addition method.



Addition



Complete the additions.

a)

		T	O	
		5	7	
	+	1	5	
		<hr/>		
		<hr/>		

b)

		T	O	
		1	8	
	+	1	9	
		<hr/>		
		<hr/>		

Work out the additions.

a)

		H	T	O	
		1	8	7	
	+	4	7	1	
		<hr/>			
		<hr/>			

b)

		H	T	O	
		5	1	7	m
	+	2	3	4	m
		<hr/>			
		<hr/>			

Complete the additions.

a)

		Th	H	T	O	
		4	7	1	2	
	+	3	4	9	2	
		<hr/>				
		<hr/>				

b)

		Th	H	T	O	
		6	0	7	5	
	+		9	4	8	
		<hr/>				
		<hr/>				

This is a good opportunity to practise some more calculations of your own!



a)

		T	O	
		5	7	
	+	1	5	
		<hr/>		
		7	2	
		<hr/>		
		1		

b)

		T	O	
		1	8	
	+	1	9	
		<hr/>		
		3	7	
		<hr/>		
		1		



a)

		H	T	O	
		1	8	7	
	+	4	7	1	
		<hr/>			
		6	5	8	
		<hr/>			
		1			

b)

		H	T	O	
		5	1	7	m
	+	2	3	4	m
		<hr/>			
		7	5	1	m
		<hr/>			
		1			



a)

		Th	H	T	O	
		4	7	1	2	
	+	3	4	9	2	
		<hr/>				
		8	2	0	4	
		<hr/>				
		1	1			

b)

		Th	H	T	O	
		6	0	7	5	
	+		9	4	8	
		<hr/>				
		7	0	2	3	
		<hr/>				
		1	1	1		

Addition

Dexter has 33 bricks.



Rosie has 19 bricks.



a) How many bricks do Dexter and Rosie have altogether?

b) How many more bricks does Dexter have than Rosie?



Dexter bakes 148 biscuits on Monday.

On Tuesday he bakes 273 more biscuits than he did on Monday.

a) How many biscuits does Dexter bake on Tuesday?

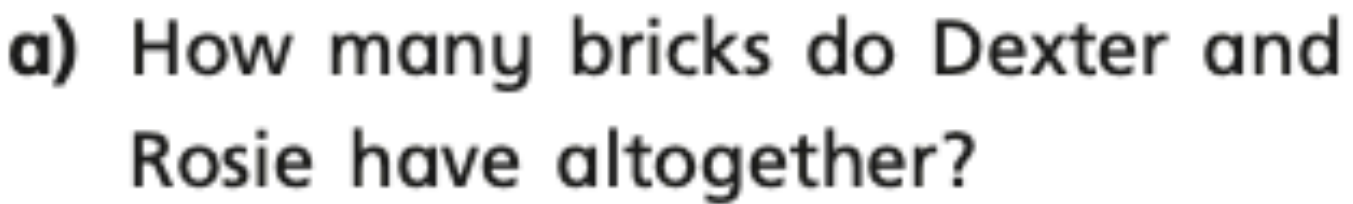
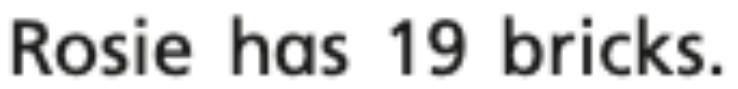
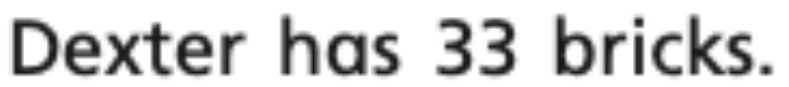
b) How many biscuits does he bake in total on Monday and Tuesday?

Dexter is playing a computer game.

The table shows the number of points he gets in each round.

Round	1	2	3
Number of points	3,550	2,175	1,895

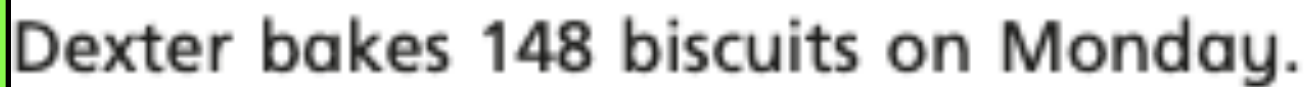
a) How many points does Dexter have at the end of Round 2?



52

b) How many more bricks does Dexter have than Rosie?

14



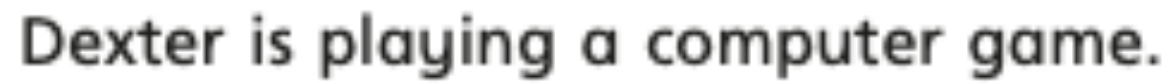
On Tuesday he bakes 273 more biscuits than he did on Monday.

a) How many biscuits does Dexter bake on Tuesday?

421

b) How many biscuits does he bake in total on Monday and Tuesday?


569



The table shows the number of points he gets in each round.

Round	1	2	3
Number of points	3,550	2,175	1,895

a) How many points does Dexter have at the end of Round 2?



5,725

5,725

Addition - Deeper Learning



Deeper Learning

Write $>$, $=$ or $<$ in each of the circles to make the number sentence correct.

$$20 + 5 \bigcirc 15 + 20$$



Deeper Learning

Write $>$, $=$ or $<$ in each of the circles to make the number sentence correct.

$$75 + 25 \bigcirc 95 + 5$$



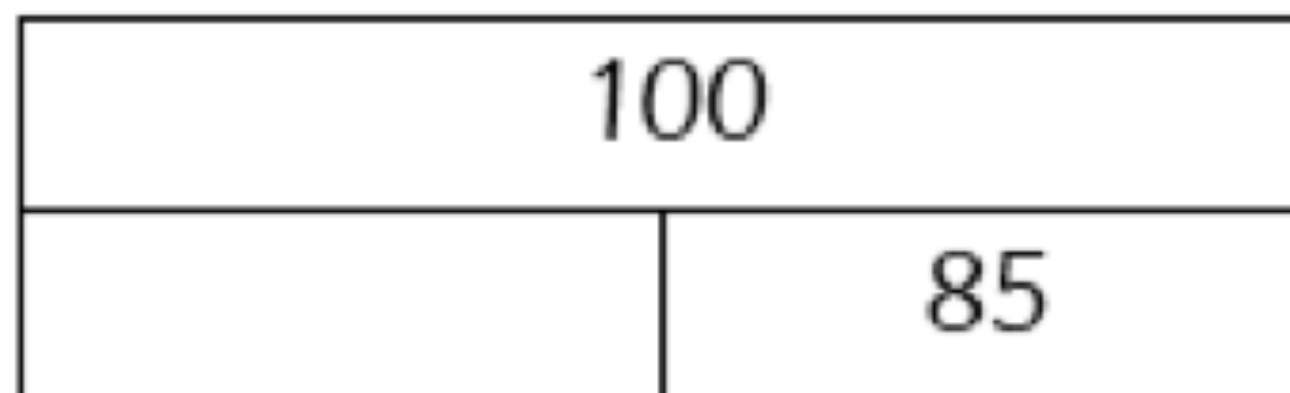
Deeper Learning

Write $>$, $=$ or $<$ in each of the circles to make the number sentence correct.

$$1860 + 150 \bigcirc 1200 + 500$$

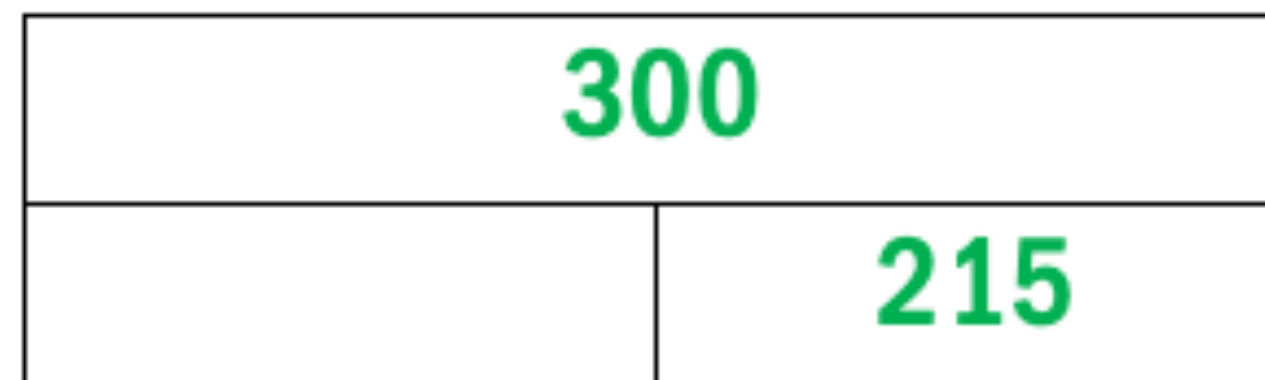
Deeper Learning

Identify the missing number in these bar models.



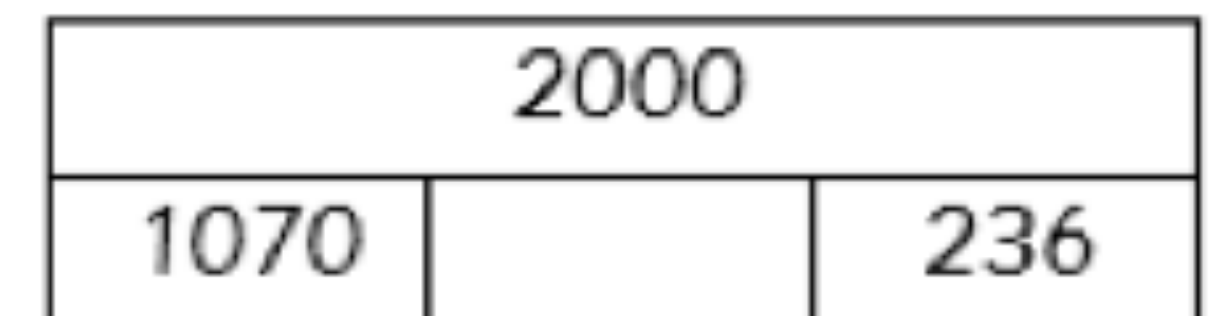
Deeper Learning

Identify the missing number in these bar models.



Deeper Learning

Identify the missing numbers in these bar models.



Subtraction

Subtraction

Starter – Mental Maths

Set A

Work out these in your head:

1 $604 - 3$

2 $207 - 5$

3 $806 - 1$

4 $308 - 4$

5 $719 - 8$

6 $527 - 7$

Work out these in your head:

7 $180 - 3$

8 $420 - 1$

9 $980 - 2$

10 $230 - 6$

11 $840 - 5$

12 $390 - 3$

Find the missing numbers:

13 $701 - \square = 700$

14 $905 - \square = 903$

15 $138 - \square = 132$

16 $549 - \square = 547$

17 $260 - \square = 253$

18 $480 - \square = 477$

Video example of subtraction methods (Home Learning links)

Range of Subtraction Column Methods



Let's practise!



Question: $671 - 285 =$

1

Read the question, then read it again.

2

Think about how to set out the calculation.

3

Subtract the units first.

$$671 - 285$$

Using HTU columns is a good way to do this type of sum.

HTU

$$\begin{array}{r} 671 \\ - 285 \\ \hline \end{array}$$

The units are 1 and 5. You can't do $1 - 5$, so you 'exchange' a ten for 10 units.

HTU

$$\begin{array}{r} 6^{16}7^11 \\ - 285 \\ \hline 6 \end{array}$$

The tens are 60 and 80. You can't do $60 - 80$, so you 'exchange' a hundred for 10 tens.

HTU

$$\begin{array}{r} 5^16^{16}7^11 \\ - 285 \\ \hline 86 \end{array}$$

Finally, subtract the hundreds. The hundreds are 500 and 200, so $500 - 200 = 300$.

HTU

$$\begin{array}{r} 5^16^{16}7^11 \\ + 285 \\ \hline 386 \end{array}$$

Our answer looks correct.



Subtraction

Example of subtraction method.

Subtraction



a)

		T	O	
		2	3	
	-		6	

b)

		T	O	
		3	3	
	-		7	

c)

		T	O	
		3	3	
	-	1	7	

Work out the subtractions.

a) 735 - 218

		H	T	O	
		7	3	5	
	-	2	1	8	

c) 415 - 179

		H	T	O	
		4	1	5	
	-	1	7	9	

b) 428 - 163

		H	T	O	
		4	2	8	
	-	1	6	3	

d) 382 - 194

		H	T	O	
		3	8	2	
	-	1	9	4	

Complete the calculations.

a)

		Th	H	T	O	
		7	3	2	5	
	-	2	4	0	6	

c)

		Th	H	T	O	
		7	1	0	2	
	-		3	9	8	

b)

		Th	H	T	O	
		5	6	3	4	
	-	2	7	4	5	

d)

		Th	H	T	O	
		5	0	0	0	
	-	1	7	3	3	

This is a good opportunity to practise some more calculations of your own!



a)

		T	O
		¹ 2	¹ 3
	-		6
		<hr/>	
		¹ 1	¹ 7

b)

		T	O
		² 3	¹ 3
	-		7
		<hr/>	
		² 2	¹ 6

c)

		T	O
		² 3	¹ 3
	-	1	7
		<hr/>	
		¹ 1	¹ 6



Work out the subtractions.

a) 735 - 218

		H	T	O
		7	² 3	¹ 5
	-	2	1	8
		<hr/>		
		⁵ 5	¹ 1	¹ 7

c) 415 - 179

		H	T	O
		³ 4	¹⁰ 1	¹ 5
	-	1	7	9
		<hr/>		
		² 2	³ 3	⁶ 6

b) 428 - 163

		H	T	O
		³ 4	¹ 2	¹ 8
	-	1	6	3
		<hr/>		
		² 2	⁶ 6	⁵ 5

d) 382 - 194

		H	T	O
		² 3	¹⁷ 8	¹ 2
	-	1	9	4
		<hr/>		
		¹ 1	⁸ 8	⁸ 8



Complete the calculations.

a)

		Th	H	T	O
		⁶ 7	¹ 3	¹² 2	¹ 5
	-	2	4	0	6
		<hr/>			
		⁴ 4	⁹ 9	¹ 1	⁹ 9

c)

		Th	H	T	O
		⁶ 7	¹⁰ 1	¹⁹ 0	¹ 2
	-		3	9	8
		<hr/>			
		⁶ 6	⁷ 7	⁰ 0	⁴ 4

b)

		Th	H	T	O
		⁴ 5	¹⁵ 6	¹² 3	¹ 4
	-	2	7	4	5
		<hr/>			
		² 2	⁸ 8	⁸ 8	⁹ 9

d)

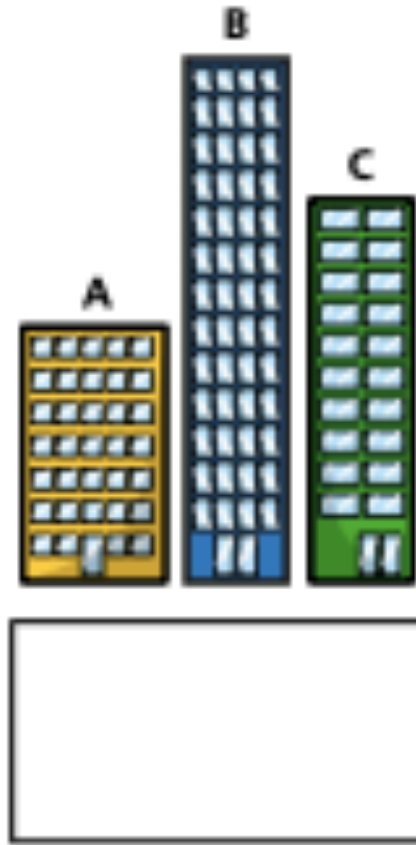
		Th	H	T	O
		⁴ 5	¹⁰ 0	¹⁹ 0	¹ 0
	-	1	7	3	3
		<hr/>			
		³ 3	² 2	⁶ 6	⁷ 7



Here are 3 buildings.

- A is 150 m tall
- B is 317 m taller than A
- C is 223 m shorter than B

How much taller is C than A?



Aisha buys these items.



How much change does she have from £1,000?

Subtraction



A jug contains 1,500 ml of juice.



The juice is poured into 2 glasses.

Each glass holds 258 ml of juice.

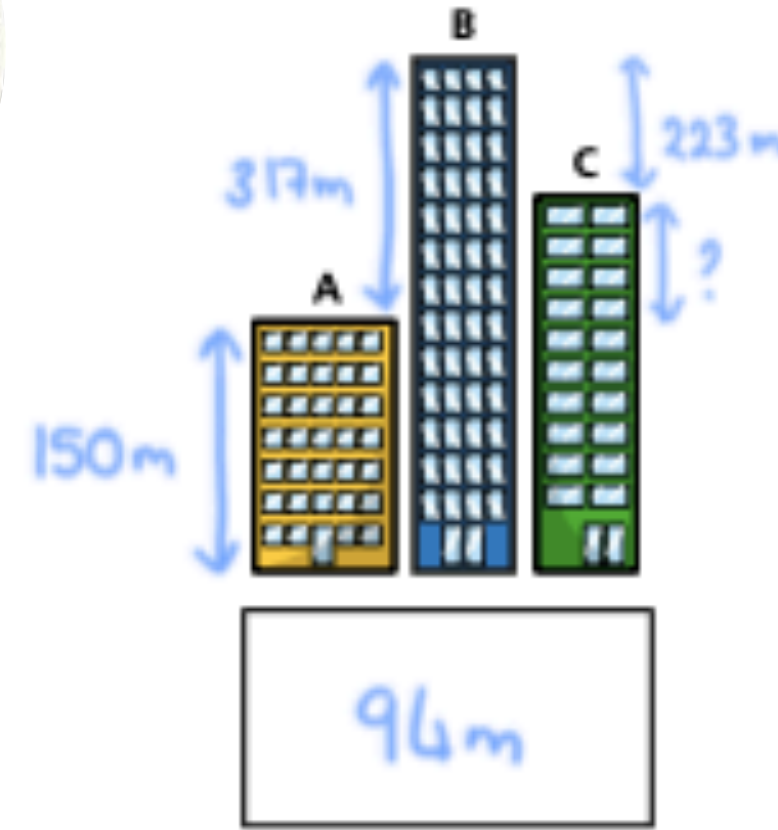
How much juice is left in the jug?





Here are 3 buildings.

- A is 150 m tall
- B is 317 m taller than A
- C is 223 m shorter than B



How much taller is C than A?

Aisha buys these items.



How much change does she have from £1,000?

£188



A jug contains 1,500 ml of juice.



The juice is poured into 2 glasses.
Each glass holds 258 ml of juice.

How much juice is left in the jug?



984ml

Subtraction - Deeper Learning



Deeper Learning

Fill in the missing numbers.

$$20 + \underline{\quad} = 25$$

$$12 + \underline{\quad} = 19$$

$$\underline{\quad} - 6 = 13$$

$$\underline{\quad} - 10 = 10$$



Deeper Learning

Write $>$, $=$ or $<$ in each of the circles to make the number sentence correct.

$$87 - 25 \bigcirc 95 - 10$$



Deeper Learning

Write $>$, $=$ or $<$ in each of the circles to make the number sentence correct.

$$1232 - 232 \bigcirc 1355 - 232$$

Deeper Learning

Fill in the missing numbers.

$$20 + \underline{\quad} = 25$$

$$12 + \underline{\quad} = 19$$

$$\underline{\quad} - 6 = 13$$

$$\underline{\quad} - 10 = 10$$

Deeper Learning

Fill in the missing numbers.

$$49 + \underline{\quad} = 36$$

$$18 + \underline{\quad} = 63$$

$$\underline{\quad} - 25 = 58$$

$$\underline{\quad} - 48 = 34$$

Deeper Learning

Fill in the missing numbers.

$$1\underline{\quad}3 + 6\underline{\quad} = 200$$

$$1\underline{\quad}5\underline{\quad} + 300 = 1557$$

$$5\underline{\quad}28 - 44\underline{\quad}\underline{\quad} = 4788$$

$$\underline{\quad}\underline{\quad}\underline{\quad}0 - 2468 = 5092$$