

Addition and Subtraction

Activity Booklet Ages 9 - 10



twinkl

Vlogging Numbers

Veronica Logston is a popular vlogger who shares her favourite history topics in video blogs. Over the weekend, her vlogs got a lot of attention, and now she wants to figure out which one was the most popular. Can you help her by adding up the total number of views for each topic?



1 The Vikings

	7	5	2	4	8
+	1	8	3	9	1

2 The Ancient Egyptians

	3	5	2	9	2
+	9	4	6	3	7

3 The Ancient Romans

	8	3	5	4	6
+	1	4	1	8	2

4 The Ancient Greeks

	7	1	4	0	1
+	8	5	2	3	2

5 The Anglo Saxons

	7	3	4	7	1
+	6	4	3	4	2

6 The Stone Age

	9	1	8	7	9
+	5	8	8	1	6

7 The Victorians

	2	9	3	1	4
+	1	3	0	2	3

8 The Aztecs

	2	8	1	6	7
+	3	5	4	7	2

9 The Shang Dynasty (Ancient China)

	8	2	5	7	2
+	5	3	3	4	6

The most popular vlog was: _____

visit twinkl.com

Mortgage Money



These families are figuring out how much money they still owe on their mortgages. Can you help them by subtracting what they've already paid from the original price of their house to find out the remaining amount?

The Browns

Cost of house:	£	8	3	6	9	1
Money paid so far: -	£	4	1	0	4	5
	£					

The Patels

Cost of house:	£	6	9	3	6	6
Money paid so far: -	£	1	6	7	2	5
	£					

The Carrascos

Cost of house:	£	5	0	6	4	8
Money paid so far: -	£	3	7	1	4	2
	£					

The Smiths

Cost of house:	£	8	9	1	5	6
Money paid so far: -	£	5	8	4	2	9
	£					

The Woods

Cost of house:	£	5	7	8	2	3
Money paid so far: -	£	3	6	1	7	9
	£					

The Ostapskis

Cost of house:	£	7	0	5	2	9
Money paid so far: -	£	4	5	2	8	3
	£					

The Levocats

Cost of house:	£	9	6	7	2	4
Money paid so far: -	£	6	8	1	5	3
	£					

The Whites

Cost of house:	£	5	7	5	9	9
Money paid so far: -	£	2	8	3	7	5
	£					

The Barlows

Cost of house:	£	8	1	6	5	3
Money paid so far: -	£	2	5	3	1	7
	£					

The Renshaws

Cost of house:	£	7	9	0	3	5
Money paid so far: -	£	4	6	2	7	1
	£					

Which family has the most left to pay on their mortgage? _____

visit twinkl.com

The Biscuit Factory



Look at the data for the amount of biscuits made each week in a biscuit factory. Can you use these statistics to answer the questions?

Day of the week	Number of plain biscuits made	Number of chocolate biscuits made
Monday	29 645	51 766
Tuesday	41 997	84 363
Wednesday	33 207	53 201
Thursday	32 195	23 758
Friday	80 599	68 271
Saturday	27 725	97 653
Sunday	98 257	26 469

How many biscuits were made altogether on Tuesday?

On which day of the weekend were the most biscuits made? Saturday or Sunday?

visit twinkl.com

On Monday, how many more chocolate biscuits were made than plain biscuits?

What is the difference between the number of plain biscuits made on Wednesday and the number of plain biscuits made on Thursday?

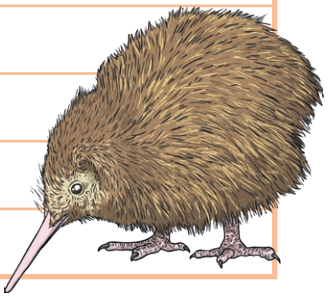
Look at the data for Thursday and Friday. Which of these days has the largest difference between the number of plain and chocolate biscuits made?

visit twinkl.com

Kiwi Phones

The mobile phone company, Kiwi, has just released its latest mobile... the jphone 8. Kiwi has released the phone in two different sizes: the jphone 8 and the jphone 8 supersize. Below are the statistics for the amount of phones sold in the first week of release.

Day of the week	jphone 8	jphone 8 supersize
Monday	64 166	64 952
Tuesday	64 913	16 762
Wednesday	13 346	97 831
Thursday	47 943	16 485
Friday	14 697	23 482
Saturday	36 756	23 146
Sunday	69 743	64 397



Task: Using the statistics above, write and solve your own addition word problems in the spaces provided. You could even test your family and friends to see if they can answer your questions.

1. _____

_____

2. _____

_____

visit twinkl.com

Wonderland

The Head Chef at 'Wonderland' theme park needs to order enough food and drink for August. Help him plan by rounding the July figures to the nearest 10,000 to estimate how much he'll need to order for the next month.

For example: 146 684 rounded to the nearest 10 000 is 150 000.

Hundred Thousands	**Ten Thousands**	Thousands	Hundreds	Tens	Ones
1	**4**	6	6	8	4

Hint: Find the Ten Thousands column. Look at the digit in the Thousands column. If it is 5 or more, you **round up** or if it is 4 or below you **round down.**



Food and drink items	**Number sold in July**	**Estimate for August**
Sausages	164 562	
Burgers	236 461	
Lollipops	486 482	
Cheese Sandwiches	461 955	
Bottles of lemonade	764 169	
Tea bags	846 562	
Cakes	861 461	
Bags of crisps	354 495	
Ice lollies	429 344	
Meat pies	137 465	

visit twinkl.com

Maximillian McMoney, the owner of Wonderland, is checking how much money the park has made each day. To do this, he rounds the daily earnings to the nearest ten thousand. After that, he subtracts the cost of running the park from the money made on tickets to see how much profit the park is making. For example:

Monday	Rounded to the nearest ten thousand
Money from tickets sold: £864 482	£860 000
Cost or running the park: £235 745	£240 000
	Estimate: £620 000

Task: Circle the correct estimate for each calculation that Maximilian has estimated. Write your rounded numbers below the numbers in the calculation.

Tuesday

£495 468 – £174 792 =

230 000 330 000 430 000

_____

Wednesday

£843 468 - £354 592 =

490 000 480 000 470 000

_____

Thursday

£657 384 – £423 551 =

250 000 230 000 240 000

_____

visit twinkl.com

Friday

£465 561 – £217 641 =

230 000 | 250 000 | 220 000

_____

Saturday

£978 466 - £358 941 =

620 000 | 610 000 | 630 000

_____

Sunday

£892 549 - £527 946 =

260 000 | 160 000 | 360 000

_____



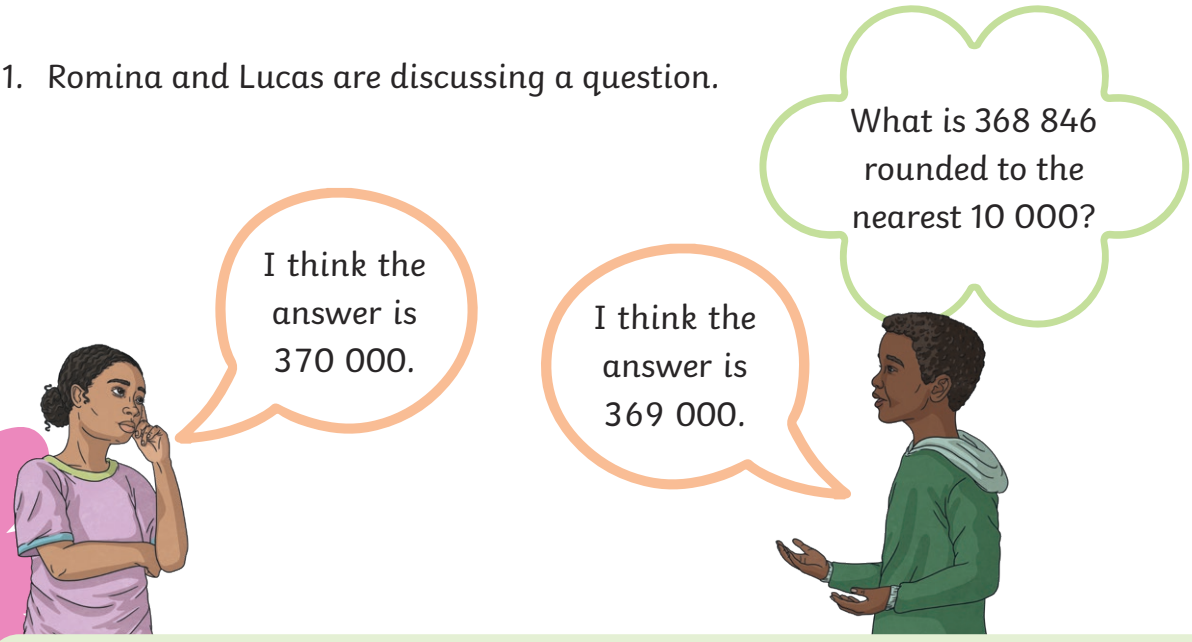
Based on the estimates, on which day was the most money made? _____

visit twinkl.com

Master Mathematician

Use your knowledge of rounding, estimating and column addition and subtraction to solve the following problems. Some may even ask you to demonstrate your reasoning by explaining how you solved the problem or knew the right answer.

1. Romina and Lucas are discussing a question.



Explain who is correct and how you know.

2. Daniel is out shopping. He has £536.87. He spends £247.56 on a new laptop and £172.26 on a present for his mum. How much money does he have left remaining after buying the gifts?

Use this space for your working out.

visit twinkl.com

3. Set out and solve these calculations using a column method of addition or subtraction.

3254 + ☐ = 7999

2431 = ☐ - 3356

6373 - ☐ = 3518

6719 = ☐ - 4625

Use this space for your working out.

4. Mr and Mrs Woods both need a new car. They have gone to the car show room with £25 496 to spend. Mr Woods buys a car for £12 964 and Mrs Woods buys a car for £9462. How much money do they have remaining?

Use this space for your working out.

visit twinkl.com

Answers

Vlogging Numbers

1 The Vikings

75248 + 18391 = **93639**

2 The Ancient Egyptians

35292 + 94637 = **129929**

3 The Ancient Romans

83546 + 14182 = **97728**

4 The Ancient Greeks

71401 + 85232 = **156633**

5 The Anglo Saxons

73471 + 64342 = **137813**

6 The Stone Age

91879 + 58816 = **150695**

7 The Victorians

29314 + 13023 = **42337**

8 The Aztecs

28167 + 35472 = **63639**

9 The Shang Dynasty

82572 + 53346 = **135918**

The most popular vlog was: **The Ancient Greeks**

Mortgage Money

The Browns	£83691 – £41045 = **£42646**
The Patels	£69366 – £16725 = **£52641**
The Carrascos	£50648 – £37142 = **£13506**
The Smiths	£89156 – £58429 = **£30727**
The Woods	£57823 – £36179 = **£21644**
The Ostapskis	£70529 – £45283 = **£25246**
The Levocats	£96724 – £68153 = **£28571**
The Whites	£57599 – £28375 = **£29224**
The Barlows	£81653 – £25317 = **£56336**
The Renshaws	£79035 – £46271 = **£32764**

Which family has the most left to pay on their mortgage? **The Barlows**

The Biscuit Factory

How many biscuits were made altogether on Tuesday? **126 360**

On which day of the weekend were the most biscuits made? Saturday or Sunday? **Saturday**

On Monday, how many more chocolate biscuits were made than plain biscuits? **22 121**

What is the difference between the number of plain biscuits made on Wednesday and the number of plain biscuits made on Thursday? **1012**

Look at the data for Thursday and Friday. Which of these days has the largest difference between the number of plain and chocolate biscuits made? **Friday**

Wonderland

Food and drink items	Number sold in July	Estimate for August
Sausages	164 562	**160 000**
Burgers	236 461	**240 000**
Lollipops	486 482	**490 000**
Cheese Sandwiches	461 955	**460 000**
Bottles of lemonade	764 169	**760 000**
Tea bags	846 562	**850 000**
Cakes	861 461	**860 000**
Bags of crisps	354 495	**350 000**
Ice lollies	429 344	**430 000**
Meat pies	137 465	**140 000**

Tuesday

£495 468 – £174 792 =

£500 000 – £170 000

230 000	330 000	430 000

Wednesday

£843 468 - £354 592 =

£840 000 – £350 000

490 000	480 000	470 000

Thursday

£657 384 – £423 551 =

£660 000 – £420 000

250 000	230 000	240 000

Friday

£465 561 – £217 641 =

£470 000 - £220 000

230 000	250 000	220 000

Saturday

£978 466 - £358 941 =

£980 000 - £360 000

620 000	610 000	630 000

Sunday

£892 549 - £527 946 =

£890 000 – £530 000

260 000	160 000	360 000

Based on the estimates, on which day was the most money made? **Saturday**

1. Romina and Lucas are discussing a question.

   What is 368 846 rounded to the nearest 10 000?
   Explain who is correct and how you know.
   Romina is correct with 370000 because she has rounded up to the nearest ten thousand but Lucas has rounded up to the nearest thousand.

2. Daniel is out shopping. He has £536.87. He spends £247.56 on a new laptop and £172.26 on a present for his mum. How much money does he have left remaining after buying the gifts?
   £117.05

3. Set out and solve these calculations using a column method of addition or subtraction.

3254 +	**4745**	= 7999
2431 =	**5787**	- 3356
6373 -	**2855**	= 3518
6719 =	**11 344**	- 4625

4. Mr and Mrs Woods both need a new car. They have gone to the car show room with £25 496 to spend. Mr Woods buys a car for £12 964 and Mrs Woods buys a car for £9462. How much money do they have remaining?
   £3070