

Maths Planning and Ideas



Week Commencing: 8th June 2020

Year Group: 4

This week, we are going to revise and recap on some key Year 4 mathematical concepts. They will be all things that you have covered in class previously.

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	Column Addition	Column Subtraction	Negative Numbers	Rounding Numbers	Friday Maths Challenge
Activity	<p>Starter:</p> <p>Times Table Rockstar</p> <p><i>Battle of the Bands and Garage challenges have been set for Y4 children.</i></p> <p>Main:</p> <p>https://www.bbc.co.uk/bitesize/articles/z6vr47h</p> <p>Today we are recapping column addition.</p> <p>Watch the one video and complete the two slideshows.</p> <p>Independent:</p> <p>The questions below the plan can be completed by children independently.</p>	<p>Starter:</p> <p>Times Table Rockstar</p> <p><i>Battle of the Bands and Garage challenges have been set for Y4 children.</i></p> <p>Main:</p> <p>https://www.bbc.co.uk/bitesize/articles/zrtsy9q</p> <p>Today we are recapping column subtraction.</p> <p>Watch the one video and complete the two slideshows.</p> <p>Independent:</p> <p>The questions below the plan can be completed by children independently.</p>	<p>Starter:</p> <p>Times Table Rockstar</p> <p><i>Battle of the Bands and Garage challenges have been set for Y4 children.</i></p> <p>Main:</p> <p>https://www.bbc.co.uk/bitesize/articles/zkmv382</p> <p>Today we are recapping negative numbers.</p> <p>Watch the two videos and complete the two interactive activities.</p> <p>Independent:</p> <p>The questions below the plan can be completed by children independently.</p>	<p>Starter:</p> <p>Times Table Rockstar</p> <p><i>Battle of the Bands and Garage challenges have been set for Y4 children.</i></p> <p>Main:</p> <p>https://www.bbc.co.uk/bitesize/articles/zjf492p</p> <p>Today we are recapping rounding numbers.</p> <p>Watch the two videos and complete the four interactive activities.</p> <p>Independent:</p> <p>The questions below the plan can be completed by children independently.</p>	<p>Starter:</p> <p>Times Table Rockstar</p> <p><i>Battle of the Bands and Garage challenges have been set for Y4 children.</i></p> <p>Main:</p> <p>White Rose Maths - Watch Summer Week 7 Lesson 5 – Daily Challenge</p> <p>https://whiterosemaths.com/homelearning/year-4/</p> <p>Good luck!</p>

	<p>Answers:</p> <p>Answers can be found here: https://resources.whiterosemaths.com/wp-content/uploads/2019/08/Y4-Autumn-Block-2-ANS3-Add-two-4-digit-numbers-one-exchange-2019.pdf</p> <p>No peeking until after you have had a go.</p>	<p>Answers:</p> <p>Answers can be found here: https://resources.whiterosemaths.com/wp-content/uploads/2019/08/Y4-Autumn-Block-2-ANS6-Subtract-two-4-digit-numbers-one-exchange-2019.pdf</p> <p>No peeking until after you have had a go.</p>	<p>Answers:</p> <p>Answers can be found here: https://resources.whiterosemaths.com/wp-content/uploads/2019/07/Y4-Autumn-Block-1-ANS13-Negative-numbers.pdf</p> <p>No peeking until after you have had a go.</p>	<p>Answers:</p> <p>Answers can be found here: https://resources.whiterosemaths.com/wp-content/uploads/2019/07/Y4-Autumn-Block-1-WO11-Round-to-the-nearest-1000-2019.pdf</p> <p>No peeking until after you have had a go.</p>	
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08.06.2020

LC: Can you add using the column method?

Add two 4-digit numbers – one exchange



1 Complete the calculations.

Use the place value charts to help you.

a) $3,117 + 2,542 = \square$

Th	H	T	O
1,000 1,000 1,000	100	10	1 1 1 1 1 1 1
+			
1,000 1,000	100 100 100 100 100	10 10 10 10	1 1 1 1

b) $3,117 + 2,544 = \square$

Th	H	T	O
1,000 1,000 1,000	100	10	1 1 1 1 1 1 1
+			
1,000 1,000	100 100 100 100 100	10 10 10 10	1 1 1 1

c) What do you notice about the calculations in part a) and part b)?

Which did you find easier and why?

d) What happens when you have more than 10 counters in one column?

2 Complete the calculations.

a) $4,365 + 2,617 = \square$

b) $1,907 + 5,068 = \square$

c) $6,792 + 163 = \square$

d) $3,247 + 1,930 = \square$

3 Complete the calculations.

a)

	Th	H	T	O
	5	1	6	3
+	2	4	5	1

b)

	Th	H	T	O
	7	2	6	1
+	1	0	2	9

c)

	Th	H	T	O
		7	0	3
+	2	5	8	0

d)

	Th	H	T	O
		3	5	0
+	2	7	3	1

4 Four children have calculated $4,635 + 183$

Rosie's method

	Th	H	T	O
	4	6	3	5
+		1	8	3
	4	7	11	8

$$4,635 + 183 = 47,118$$

Jack's method

	Th	H	T	O
	4	6	3	5
+		1	8	3
	4	7	1	8

$$4,635 + 183 = 4,718$$

Alex's method

	Th	H	T	O
	4	6	3	5
+		1	8	3
	4	8	1	8
		1		

$$4,635 + 183 = 4,818$$

Teddy's method

	Th	H	T	O
	4	6	3	5
+	1	8	3	
	6	4	6	5
	1			

$$4,635 + 183 = 6,465$$

Whose method is correct? _____

Talk about the mistakes the other children have made.



5

Mr Robson has £2,100 to spend on a mobile phone and a laptop.

Which combinations of laptops and phones can he afford to buy?

6 Fill in the missing digits.

a)

	Th	H	T	O
	3		2	
+		4		6
	8	7	9	1

b)

	Th	H	T	O
+	3	8	2	1
	8	7	9	1

09.06.2020

LC: Can you subtract using the column method?

Subtract two 4-digit numbers – one exchange



1

Th	H	T	O
1,000 1,000	100 100	10 10	1 1
1,000 1,000	100 100	10	1 1
1,000			1

a) Use the place value chart to complete the calculation.

$$5,435 - 3,215 = \square$$

b) Use the place value chart to complete the calculation.

$$5,435 - 3,216 = \square$$

c) Which calculation was easier? Talk about it with a partner.

d) What happens when you don't have enough counters in a column to take away?

2 Complete the sentences.

1 ten can be exchanged for ones.

1 hundred can be exchanged for 10 _____.

1 thousand can be exchanged for _____.



3 Use a place value chart to complete the calculations.

a)

	H	T	O
	3	2	7
-	1	1	9

c)

	Th	H	T	O
	9	8	4	5
-	6	2	1	6

b)

	Th	H	T	O
	7	6	7	3
-		1	3	4

4 Use a place value chart to complete the calculations.

a)

	H	T	O
	3	2	7
-	1	3	2

c)

	Th	H	T	O
	9	8	4	5
-	2	3	6	0

b)

	Th	H	T	O
	7	6	7	3
-		2	8	1



5 Use a place value chart to complete the calculations.

a)

	Th	H	T	O
	3	2	7	0
-	1	3	2	0
<hr/>				
<hr/>				

c)

	Th	H	T	O
	9	8	4	5
-	1	9	2	1
<hr/>				
<hr/>				

b)

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

6 Annie is calculating $3,467 - 2,148$

Here is her working.

	Th	H	T	O
	3	4	6	7
-	2	1	4	8
	1	3	2	1

Do you agree with Annie? _____

Explain your answer.



7 A car costs £8,716

A motorbike costs £2,341 less than the car.

How much does the motorbike cost?

8 Jack is thinking of two 4-digit numbers.



The greater number is 6,410.
The difference between the two numbers is 3,107

What is the sum of the two numbers?



10.06.2020

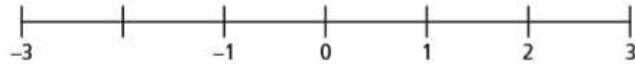
LC: Can you use negative numbers?

Negative numbers

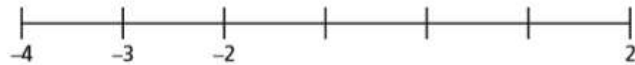


1 Complete the number lines.

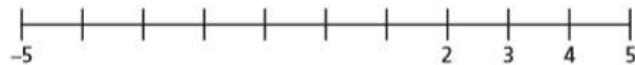
a)



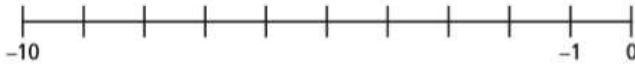
b)



c)



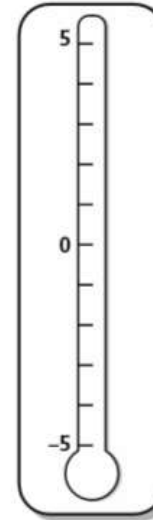
d)



2 Complete the temperature labels on the thermometer.

Circle the warmest temperature in each pair.

- a) 2°C 4°C
- b) 5°C 0°C
- c) -1°C 1°C
- d) -3°C 0°C
- e) 4°C -1°C
- f) -4°C 1°C



3 a) Tommy is counting backwards in 1s starting from 4

Write the first five numbers that Tommy will say.

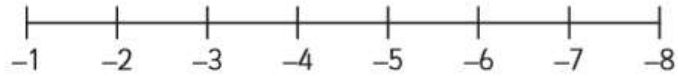
b) Annie is counting backwards in 2s starting from 4

Write the first five numbers Annie will say.

c) Alex is counting forwards in 3s starting from -4

Write the first five numbers Alex will say.

- 4 Rosie has labelled a number line.



What mistake has Rosie made?

- 5 Continue the sequences.

a) 20, 15, 10, , ,

b) -10, -8, -6, , ,

c) -7, -5, -3, , ,

d) 7, 4, 1, , ,

e) 75, 50, 25, , ,

- 6 The temperature in London is 5°C .

a) The temperature in Birmingham is 8°C warmer than London.

What is the temperature in Birmingham?

b) The temperature in Manchester is 8°C colder than London.

What is the temperature in Manchester?

- 7 Teddy is counting backwards.



three, two, one,
negative one,
negative two ...

What mistake has Teddy made? Talk about it with a partner.

- 8 Whitney is counting backwards in 10s from 37



37, 27, 17,
7, -7, -17

Is Whitney correct? _____

Write the numbers she should say, to check your answer.

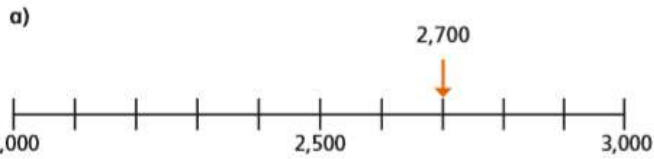
11.06.2020

LC: Can you round numbers to the nearest 1 000?

Round to the nearest 1,000



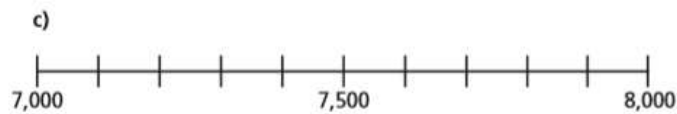
1 Use the number lines to help you round.



2,700 rounded to the nearest 1,000 is

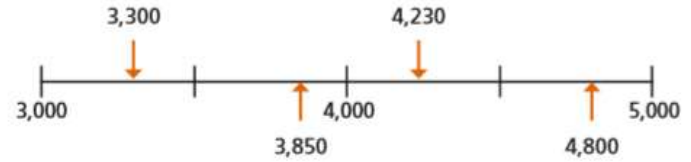


5,320 rounded to the nearest 1,000 is



7,450 rounded to the nearest 1,000 is

2 Circle the numbers that round to 4,000 to the nearest 1,000



3 Explain why 7,800 rounds to 8,000 to the nearest 1,000

4 Dora makes a number using place value counters.

Th	H	T	O
1,000	100 100 100 100 100	10 10 10 10 10 10 10 10	1 1 1

a) Round Dora's number to the nearest thousand.

b) Round Dora's number to the nearest hundred.

c) Round Dora's number to the nearest ten.

5 Circle the numbers that round to 9,000 to the nearest 1,000

8,600 8,590 8,340
9,105 938 9,566

6 Circle the numbers that round to 9,100 to the nearest 100

9,130 8,950 9,059
9,045 9,009 9,107

7 Round each number to the nearest 1,000

- | | | | |
|----------|----------------------|----------|----------------------|
| a) 3,500 | <input type="text"/> | h) 1,795 | <input type="text"/> |
| b) 749 | <input type="text"/> | i) 4,591 | <input type="text"/> |
| c) 2,260 | <input type="text"/> | j) 5,925 | <input type="text"/> |
| d) 2,360 | <input type="text"/> | k) 4,925 | <input type="text"/> |
| e) 2,460 | <input type="text"/> | l) 3,925 | <input type="text"/> |
| f) 2,560 | <input type="text"/> | m) 2,925 | <input type="text"/> |
| g) 2,660 | <input type="text"/> | n) 1,925 | <input type="text"/> |

8 Complete the table.

Number	Rounded to the nearest 10	Rounded to the nearest 100	Rounded to the nearest 1,000
755			
2,904			
5,997			

9 Circle the numbers that could be the missing digit.

- a) 3,8_8 rounded to the nearest 100 is 3,900
0 1 2 3 4 5 6 7 8 9
- b) 3,8_8 rounded to the nearest 1,000 is 4,000
0 1 2 3 4 5 6 7 8 9
- c) 3,8_8 rounded to the nearest 10 is 3,890
0 1 2 3 4 5 6 7 8 9

10 Rosie rounds a number to the nearest 1,000 and gets 3,000
Amir rounds a number to the nearest 100 and gets 3,400
Rosie's number is 100 more than Amir's.
What could their numbers be?

Rosie's number Amir's number



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.