Maths Support Pack – Week 7

This pack includes your 3 maths lessons for the week. The pack includes:

- ✓ Maths starters to keep your brains working fast!
- ✓ 3 maths lessons
- ✓ Links to online lessons for Lesson 1 and 2
- ✓ Worksheets and answer sheets
- ✓ Extension Task

This pack is to help you, so read through as carefully as possible so that you know what to do for your maths this week. In week 6, we are focusing on Adding and Subtracting Decimals within 1. Try your best with everything, these are all activities that you can do this all, we've done it before! Happy Learning Year 5! 😊

Lesson 1 – Teach and Practise- Complements to 1

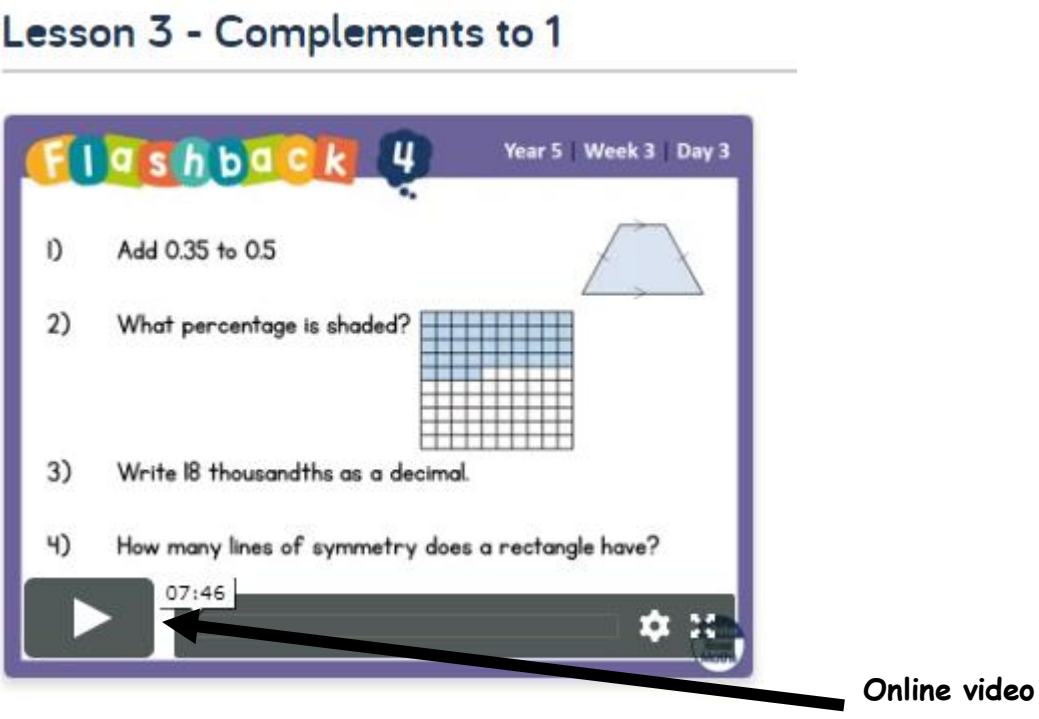
Starter – Daily 10

https://www.topmarks.co.uk/maths-games/daily10

Practise whatever you feel you need a freshen up with, try to answer your questions in 7 seconds or less like we do in school!

Input –

Open this link https://whiterosemaths.com/homelearning/year-5/. Click on Summer Term, Week 1, Lesson 3 to watch the online lesson.



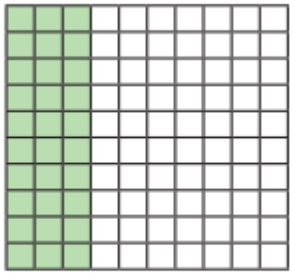
Activity: Complete the questions that are below. Watch the video for this lesson as many times as you need to. It's there to help you! **If you have**

Complements to 1

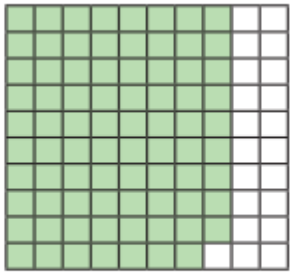
1 Each hundred square represents one whole.

Use the hundred squares to help you complete the additions.

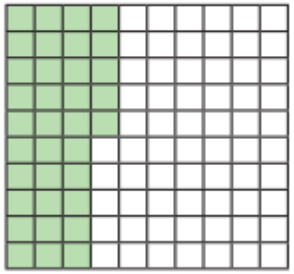
a) 0.3 + ☐ = 1



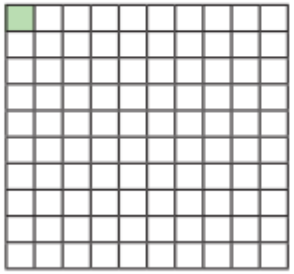
c) 1 = ☐ + 0.79



b) 0.35 + ☐ = 1



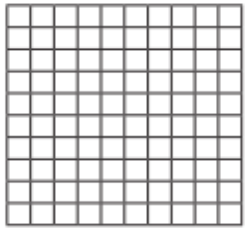
d) ☐ + 0.01 = 1



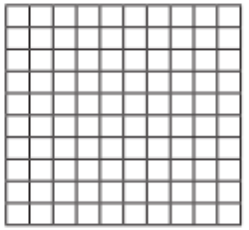
2 Complete the calculations.

Shade the hundred squares to help you.

a) 1 = 0.47 + ☐

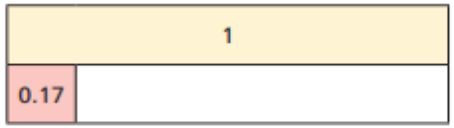


b) 0.02 + 0.2 + ☐ = 1

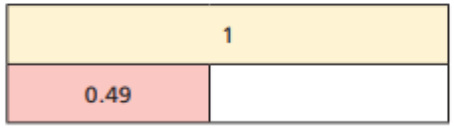


3 Complete the bar models.

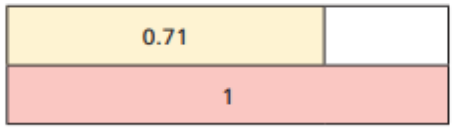
a)



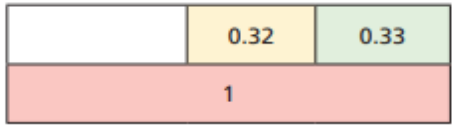
b)



c)



d)



4 Teddy has these counters.

He wants to exchange these for as many 1s counters as possible.

How many 1s counters can he collect? ☐

5 Complete the additions.

54 + ☐ = 100

5.4 + ☐ = 10

0.54 + ☐ = 1

0.054 + ☐ = 0.1

What is the same and what is different about your answers?

6 Complete the sentences.

a) 6 tenths + ☐ tenths = 1 whole

b) 23 hundredths + ☐ hundredths = 1 whole

c) 2 tenths + ☐ hundredths + ☐ tenths = 1 whole

7 Match the pairs of decimals that add together to make 1 whole.

0.12	0.988
0.21	0.79
0.212	0.778
0.012	0.788
0.222	0.88

8 Mo has completed these calculations.

a) 0.22 + 0.88 = 1
b) 0.39 + 0.71 = 1
c) 0.677 + 0.433 = 1

He has got them all incorrect.

What mistake has Mo made?

Correct Mo's calculations.

a) 0.22 + ☐ = 1

b) 0.39 + ☐ = 1

c) 0.677 + ☐ = 1

If you have struggled with any of the questions, just go back and rewatch the video to check you are happy. When you're done, open the answers document to check your work.

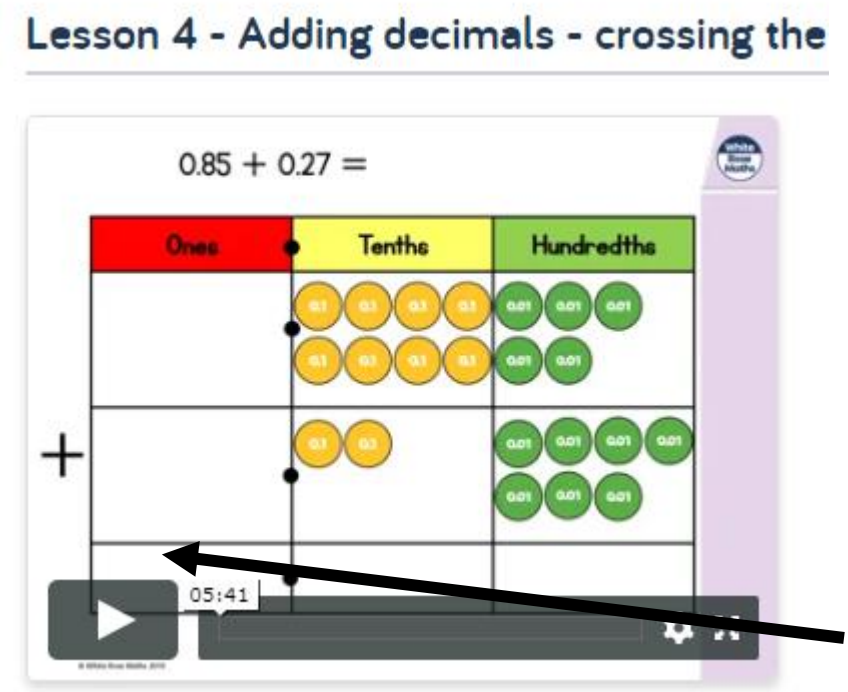
Lesson 2 – Teach and Practise- Adding Decimals, Crossing the Whole

Starter – Maths Challenge Question

How many numbers in the 3x table contain the number 3?

Input –

Open this link https://whiterosemaths.com/homelearning/year-5/. Click on Summer Term, Week 1, Lesson 4 to watch the online lesson.



Online video

Activity: Complete the questions that are below. Watch the video for this lesson as many times as you need to. It's there to help you!

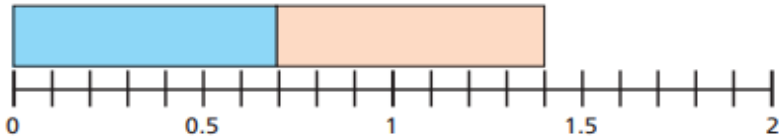
Adding decimals – crossing the whole

White Rose Maths

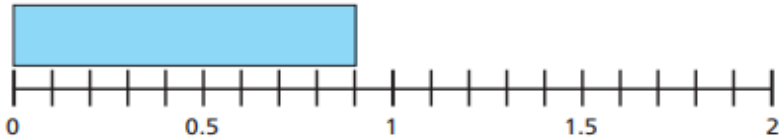
1 Work out the totals of these decimals.

Use the number lines to help you.

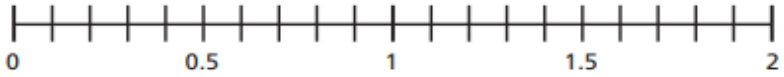
a) 0.7 + 0.7 = ☐



b) 0.9 + 0.45 = ☐

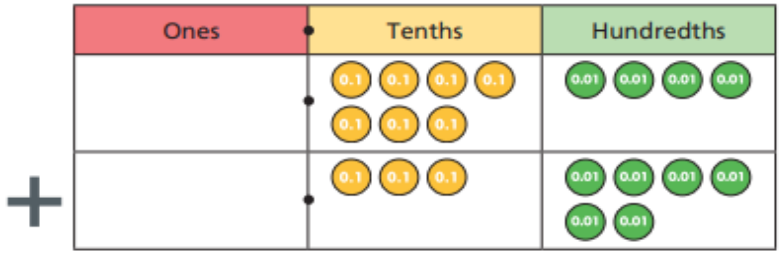


c) 0.6 + 0.8 + 0.15 = ☐



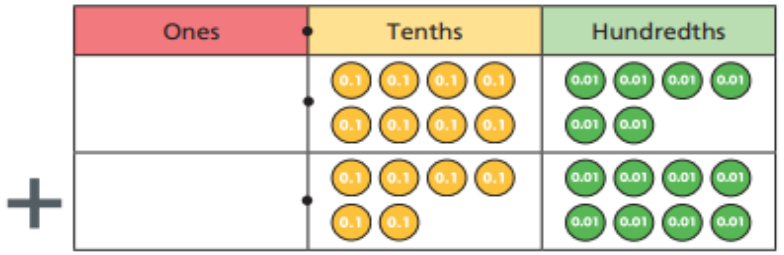
2 Complete the additions.

a) 0.74 + 0.36 = ☐



		0	7	4	
	+	0	3	6	

b) 0.86 + 0.68 = ☐



		0	8	6	
	+	0	6	8	

3 Use the column method to work out the additions.

a)

		0	•	4	2
	+	0	•	6	9
			•		

b)

		0	•	4	1
	+	0	•	7	
			•		

c)

		0	•	9	6
	+	0	•	9	7
			•		

d)

		0	•	3		
	+	0	•	8	0	4
			•			

e)

		0	•	2	2	2
	+	0	•	8	7	6
			•			

f)

		0	•	5	
	+	0	•	7	7
			•		

g)

		0	•	7	5	1
	+	0	•	3	2	
			•			

h)

		0	•	6	0	4
	+	0	•	5	1	9
			•			

4 Teddy runs 0.32 km.

Amir runs half a kilometre.

Whitney runs 0.47 km.

a) How far do they run altogether?

☐ km

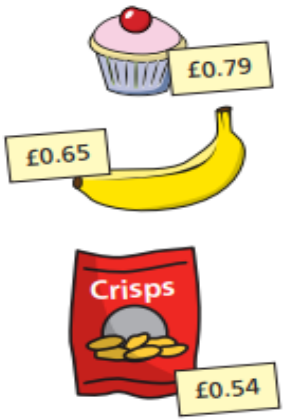
b) Jack runs 7 tenths of a kilometre further than Whitney.

How far does Jack run?

☐ km

5 Ron buys all these items plus a drink costing ninety-five pence.

How much does Ron spend in total?



Ron spends £ ☐ in total.

If you have struggled with any of the questions, just go back and rewatch the video to check you are happy. When you're done, open the answers document to check your work.

Lesson 3 – Challenge/Apply

Starter – Quick 10

Answer these 10 questions, these are all things you know! It'll help to train your brain back to being able to answer those quick-fire questions!

Question	Answer	Question	Answer
EXAMPLE: 2 X 4 =	**8**		
1. 67 + 23=		6. 8 cubed =	
2. 9 squared =		7. 79 x 10 =	
3. 7 x 8 =		8. 20 x 6 =	
4. 13 x 4 =		9. 8921- 3820 =	
5. 2345 x 100 =		10. 77239 + 2390 =	

Activity: There are different challenge questions based on all areas of maths! These are to keep your brain working and refresh any areas of your maths learning that you may have forgotten!

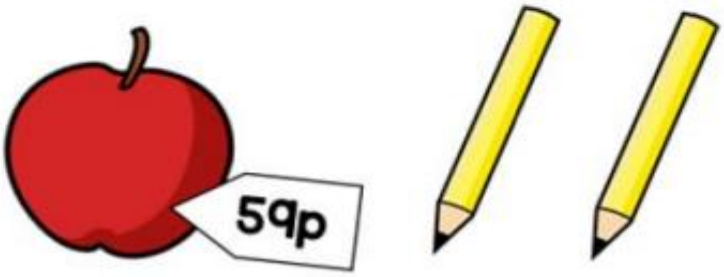
Challenge 1

Can you work out the values of each shape?

Challenge 2

Tom has six 10p coins and three 5p coins. He buys an apple for 59p and two pencils.

He has no money left. How much does a pencil cost?



Challenge 3

Here are some digit cards.

Amir and Donna each make a three-digit number using all the cards.

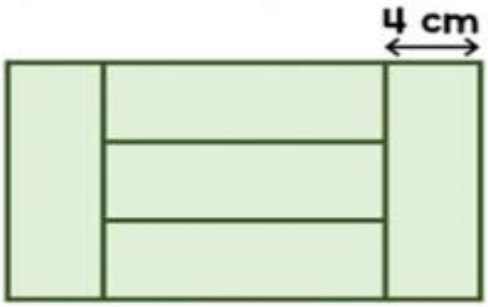
Amir notices that when he subtracts his number from Donna's number he gets an answer greater than 300 but less than 400.

What numbers did they make?

Challenge 4

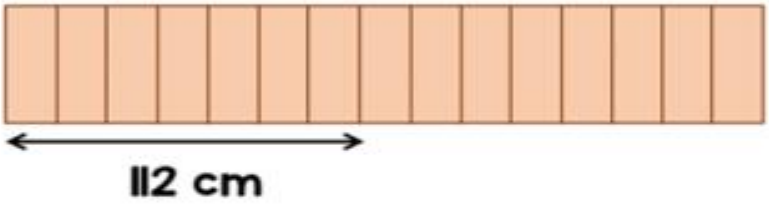
Five identical rectangles are put together to make a large rectangle.

The width of one rectangle is 4cm. Work out the perimeter of the large rectangle.



Challenge 5

15 identical blocks are lined up as shown.



The length of each individual block is twice the width.

If all 15 blocks are then laid end to end lengthways, what is the total length of the blocks altogether now?

Well done for working your way through your Maths Worksheets. I can't wait to see how well you've done! Don't forget to check all your work against the answers!

Extension Task

Complete the section you normally do in school!

ADDITION OF DECIMALS 1

TARGET To add decimals with the same number of decimal places.

Line up the decimal points and add.

Examples

3·592 + 1·487

$$\begin{array}{r} 3{\cdot}592 \\ +\,1{\cdot}487 \\ \hline 5{\cdot}079 \\ {\scriptstyle 1\ 1} \end{array}$$

29·46 + 7·56

$$\begin{array}{r} 29{\cdot}46 \\ +\ 7{\cdot}56 \\ \hline 37{\cdot}02 \\ {\scriptstyle 1\ 1\ 1} \end{array}$$

A

Copy and complete.

1. 57·3 + 26·8
2. 5·92 + 2·54
3. 8·48 + 3·67
4. 16·63 + 4·66
5. 29·59 + 7·83
6. 18·36 + 6·95
7. 38·58 + 15·62
8. 53·27 + 34·84
9. 49·45 + 26·91
10. 25·77 + 17·33

11. A plant is 24·8 cm tall. In the following week it grows a further 17·5 cm. How tall is the plant at the end of the week?
12. Algy holds his breath for 36·49 seconds. Audrey holds it 8·27 seconds longer. How long does Audrey hold her breath?

B

Copy and complete.

1. 9·581 + 3·942
2. 13·96 + 7·45
3. 6·493 + 2·574
4. 5·257 + 3·956
5. 28·87 + 14·67
6. 37·85 + 4·35
7. 82·39 + 26·73
8. 4·768 + 3·999
9. 9·645 + 6·076
10. 6·569 + 1·472

11. Jason caught 7·419 kg of fish. Ray caught 4·863 kg more. How much fish did Ray catch?
12. Jodie walks 8·275 km in the morning and 6·185 km in the afternoon. How far has she walked altogether?
13. There is 77·28 litres of water in a puddle. After a short shower there is a further 9·36 litres. How much water is in the puddle after the shower?

C

Set out as in the examples.

1. 13·28 + 8·625
2. 8·956 + 36·8
3. 145·7 + 9·83
4. 7·573 + 58·75
5. 44·69 + 7·894
6. 249·3 + 15·86
7. 6·847 + 23·48
8. 118·5 + 9·805
9. 17·93 + 2·751
10. 365·68 + 2·382
11. 4·976 + 19·254
12. 28·57 + 3·839

13. A racing car drives 8·675 km during warm up laps and 324·5 km in the race. How far does the car travel altogether?
14. A horse trough holds 35·66 litres of water. 7·925 litres is added. How much water is in the trough?
15. A motorbike weighs 529·88 kg. Its rider weighs 78·134 kg. What is the combined weight of bike and rider?

SUBTRACTION OF DECIMALS 1

TARGET To subtract decimals with the same number of decimal places.

Line up the decimal points and subtract.

Examples

3·62 − 1·78

$$\begin{array}{r} {}^{2}\not{3}\cdot{}^{15}\not{6}2 \\ -\,1\cdot78 \\ \hline 1\cdot84 \end{array}$$

9·318 − 0·425

$$\begin{array}{r} {}^{8}\not{9}\cdot{}^{12}\not{3}18 \\ -\,0\cdot425 \\ \hline 8\cdot893 \end{array}$$

A

Copy and complete.

1. 45·6 − 13·9
2. 38·4 − 22·5
3. 73·7 − 56·3
4. 9·92 − 4·74
5. 8·15 − 3·48
6. 6·63 − 2·28
7. 2·49 − 0·83
8. 4·75 − 3·16
9. 7·08 − 2·62
10. 8·52 − 5·45
11. Yalda has £9·27. She spends £4·58. How much does she have left?
12. A rope is 31·5 m long. 17·4 m is cut off. How much rope is left?
13. Keith has 5·91 litres of paint. He uses 2·62 litres. How much is left?
14. A large bag of flour weighs 4·25 kg. A smaller bag weighs 1·75 kg less. What is the weight of the smaller bag?

B

Copy and complete.

1. 29·35 − 16·72
2. 7·573 − 3·748
3. 92·82 − 19·36
4. 5·066 − 3·954
5. 34·17 − 27·97
6. 8·251 − 5·434
7. 4·718 − 1·657
8. 6·464 − 5·372
9. 1·923 − 0·831
10. 4·055 − 3·396
11. It takes Kabir 53·72 seconds to solve a puzzle. Melody takes 14·19 seconds longer. How long does Melody take to solve the puzzle?
12. A greengrocer has 87·46 kg of pears. 58·65 kg are sold. How much is left?
13. The 18 hole golf course is 6·307 km long. The 9 hole course is 2·955 km long. How much longer is the 18 hole course?

C

Set out as in the examples.

1. 14·36 − 6·54
2. 9·82 − 4·763
3. 25·47 − 1·95
4. 7·61 − 5·834
5. 60·2 − 0·81
6. 8·749 − 2·86
7. 31·2 − 5·75
8. 6·53 − 2·146
9. 92·07 − 65·22
10. 13·91 − 7·588
11. 4·538 − 2·59
12. 71·33 − 9·336
13. An oxygen tank holds 12·125 litres of liquid oxygen. 7·58 litres is used. How much oxygen is left?
14. A farm has an area of 34·2 square kilometres. 18·47 km^2 is grazing land. How much of the farm is not grazing land?
15. A bag of compost holds 73·5 kg. 8·825 kg is used. How much is left?