White Rose Maths

Home Learning Video Links

Year 5

Summer Term Week 1
(w/c 20 April)

Lesson 1

Adding decimals within 1 https://vimeo.com/403247597

Lesson 2

Subtracting decimals within 1 https://vimeo.com/403247737

Lesson 3

Complements to 1 https://vimeo.com/403248456

Lesson 4

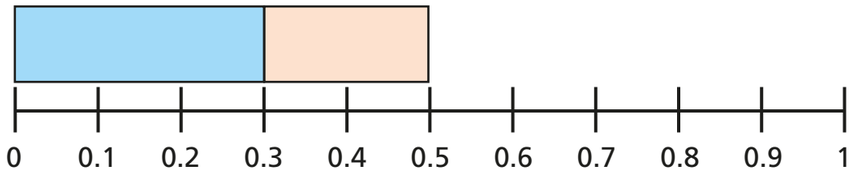
Adding decimals - crossing the whole https://vimeo.com/403248861

Adding decimals within 1

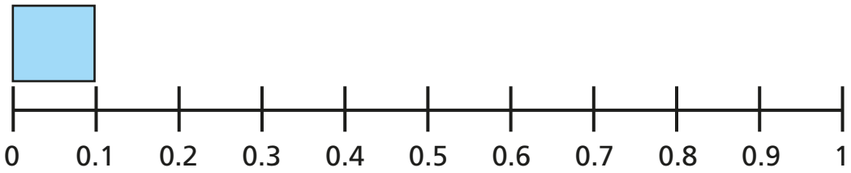
1 Work out the additions.

Use the number lines to help you.

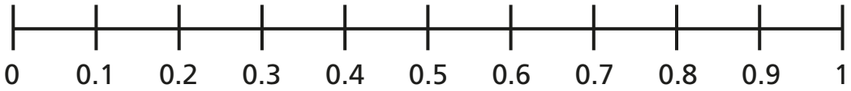
a) 0.3 + 0.2 = ☐



b) 0.1 + 0.4 = ☐



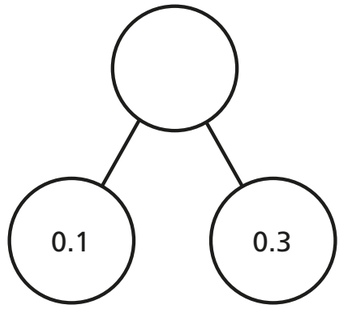
c) 0.2 + 0.1 + 0.2 = ☐



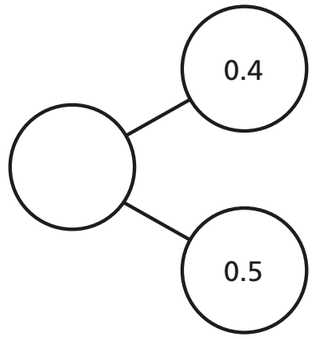
What do you notice about your answers?

2 Complete the part-whole models.

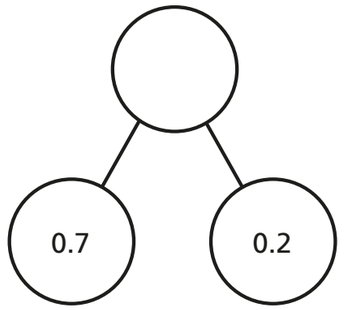
a)



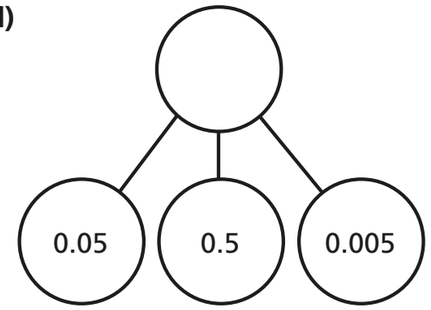
c)



b)



d)



3 Complete the additions.

Use the place value charts to help you.

a) 0.42 + 0.3 = ☐

	Ones	Tenths	Hundredths
		0.1 0.1 0.1 0.1	0.01 0.01
+		0.1 0.1 0.1	

b) 0.28 + 0.32 = ☐

	Ones	Tenths	Hundredths
+			

c) 0.28 + 0.36 = ☐

	Ones	Tenths	Hundredths
+			

4 Use the column method to work out the additions.

a)

		0 •	4	2	
	+	0 •	3		
		•			

b)

		0 •	0	4	
	+	0 •	3	3	
		•			

c)

	0 •	4	0	2	
+	0 •	0	3		
	•				

d)

		0 •	4	2		
	+	0 •	0	3	3	
		•				

e)

		0 •	4	3	6	
	+	0 •	1	7		
		•				

f)

		0 •	7	5	1	
	+	0 •	0	9		
		•				

5 Jack has set up a column addition to work out 0.19 + 0.07

What mistake has Jack made?

	0 •	1	9	
+	0 •	7		
	•			

6 Work out 7 hundredths + 34 hundredths.

Give your answer as a decimal.

7 hundredths + 34 hundredths = ☐

7 Eva drinks a quarter of a litre of water.

Mo drinks 0.3 litres of water.

Whitney drinks a tenth of a litre more water than Mo.

How much water do Eva, Mo and Whitney drink altogether?

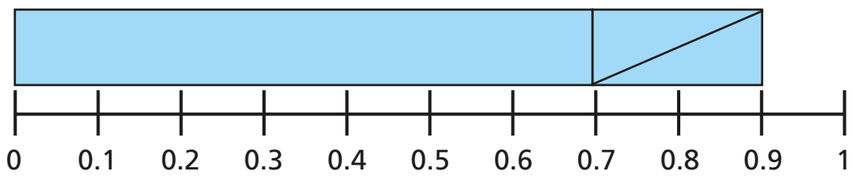
☐

Subtracting decimals within 1

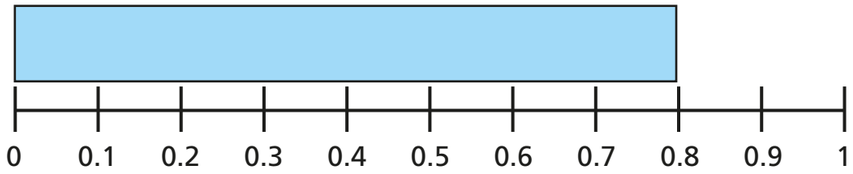
1 Work out the subtractions.

Use the number lines to help you.

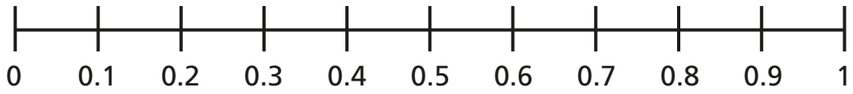
a) 0.9 – 0.2 = ☐



b) 0.8 – 0.1 = ☐



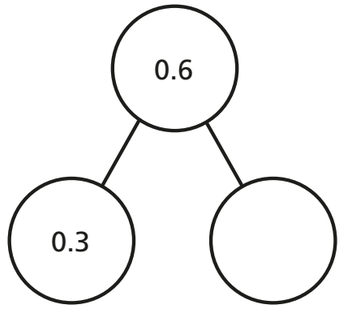
c) 1 – 0.2 – 0.1 = ☐



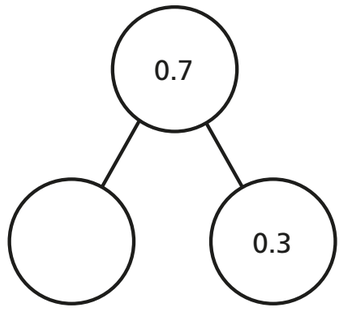
What do you notice about your answers?

2 Complete the part-whole models.

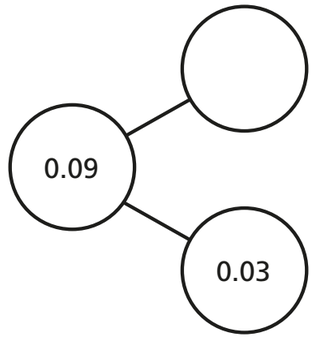
a)



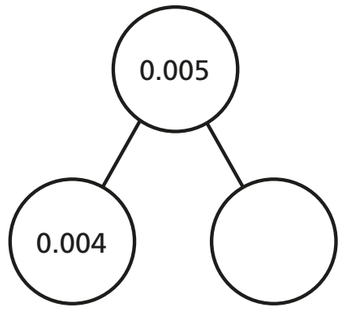
b)



c)



d)



3 Complete the subtractions.

Use the place value charts to help you. The first one has been started for you.

a) 0.42 – 0.3 = ☐

Ones	Tenths	Hundredths
	0.1 ~~0.1~~ ~~0.1~~ ~~0.1~~	0.01 0.01

b) 0.28 – 0.05 = ☐

Ones	Tenths	Hundredths
	0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

4 Use the column method to work out the subtractions.

a)

		0	• 8	9	
	–	0	• 4		
			•		

c)

		0	• 7	7	
	–	0	• 6	8	
			•		

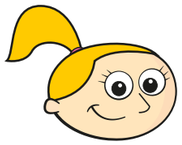
b)

		0	• 7	7	
	–	0	• 6	4	
			•		

d)

		0	• 7		
	–	0	• 2	5	
			•		

5



I can't work out 0.56 – 0.099 because 99 is bigger than 56

Do you agree with Eva? _____

Work out the answer to 0.56 – 0.099

6 Find the difference between 53 hundredths and 8 tenths.

Give your answer as a decimal.

The difference between 53 hundredths and 8 tenths is ☐

7 A piece of wood is 0.9 metres long.

It is cut into 3 unequal pieces.

The first piece is 0.2 metres longer than the second piece.

The third piece is 23 hundredths of a metre shorter than the second piece.

1st 

2nd 

3rd 

How long is each piece of wood?

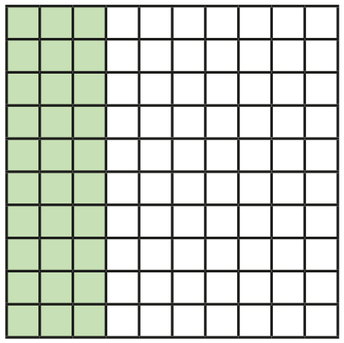
1st = ☐ 2nd = ☐ 3rd = ☐

Complements to 1

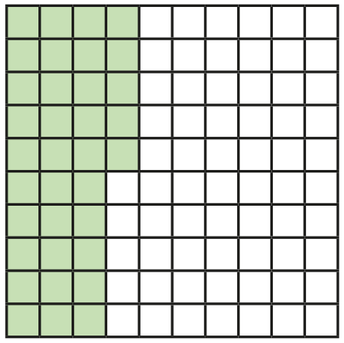
1 Each hundred square represents one whole.

Use the hundred squares to help you complete the additions.

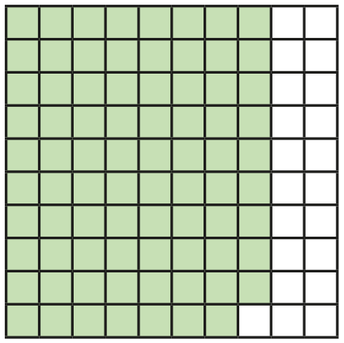
a) 0.3 + ☐ = 1



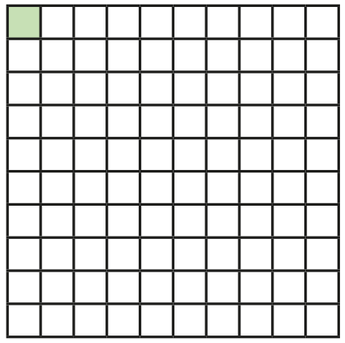
b) 0.35 + ☐ = 1



c) 1 = ☐ + 0.79



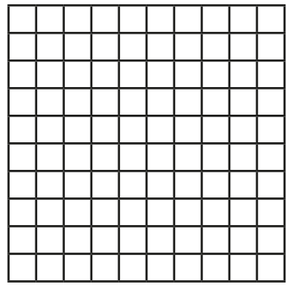
d) ☐ + 0.01 = 1



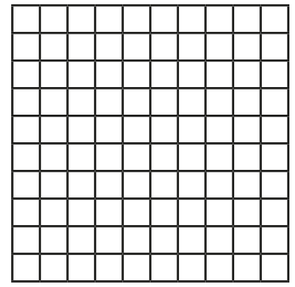
2 Complete the calculations.

Shade the hundred squares to help you.

a) 1 = 0.47 + ☐

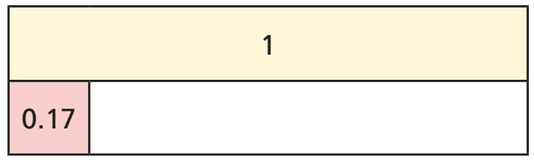


b) 0.02 + 0.2 + ☐ = 1

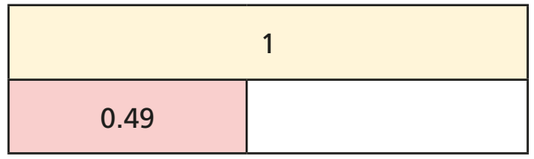


3 Complete the bar models.

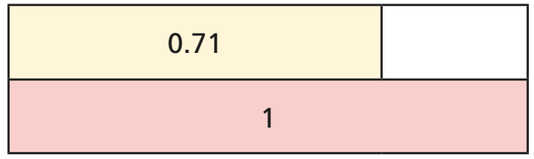
a)



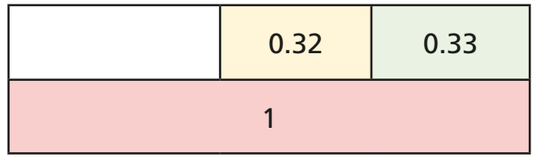
b)



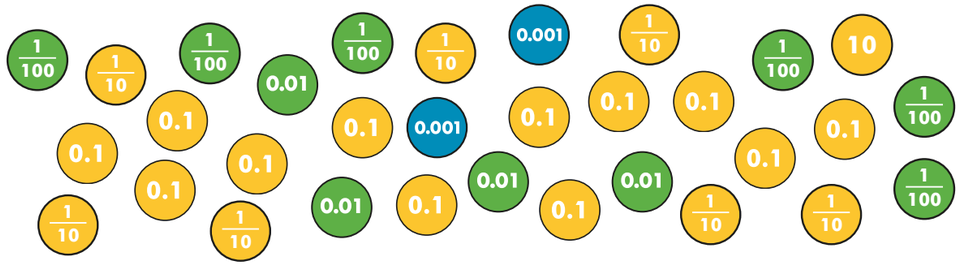
c)



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

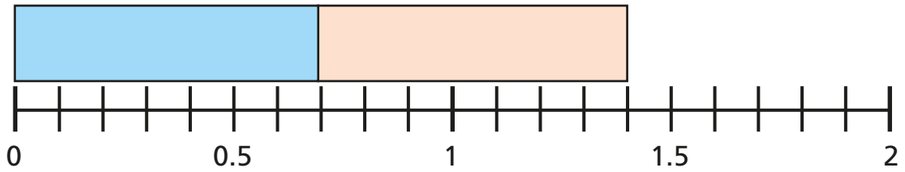
c) 0.677 + ☐ = 1

Adding decimals – crossing the whole

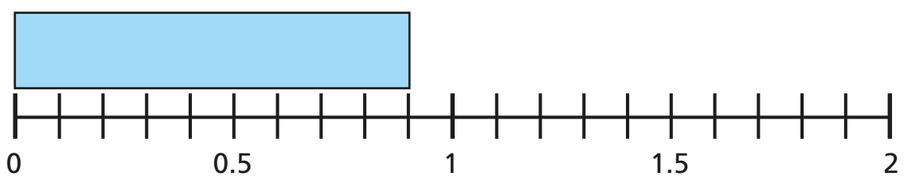
1 Work out the totals of these decimals.

Use the number lines to help you.

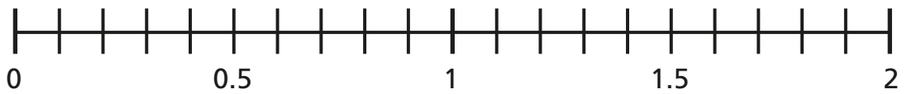
a) 0.7 + 0.7 = ☐



b) 0.9 + 0.45 = ☐



c) 0.6 + 0.8 + 0.15 = ☐



2 Complete the additions.

a) 0.74 + 0.36 = ☐

	Ones	Tenths	Hundredths
		0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01 0.01
+		0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01

		0	• 7	4	
	+	0	• 3	6	
			•		

b) 0.86 + 0.68 = ☐

	Ones	Tenths	Hundredths
		0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01
+		0.1 0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

		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		
		•				

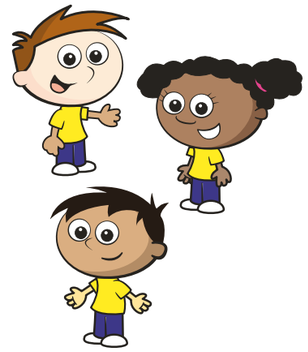
h)

		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.