

Maths Answer Pack - Week 7

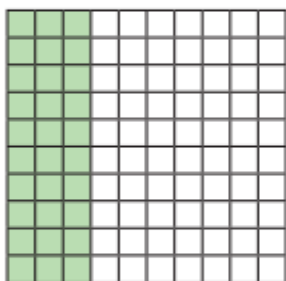
Lesson 1 - Teach and Practise- Complements to 1

Complements to 1

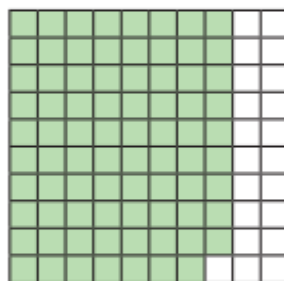


- 1 Each hundred square represents one whole.
Use the hundred squares to help you complete the additions.

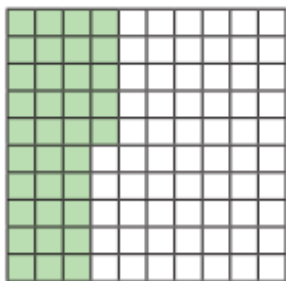
a) $0.3 + 0.7 = 1$



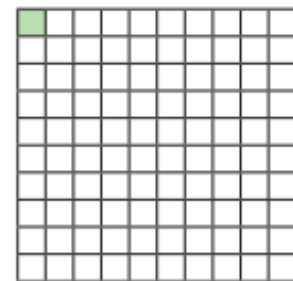
c) $1 = 0.21 + 0.79$



b) $0.35 + 0.65 = 1$

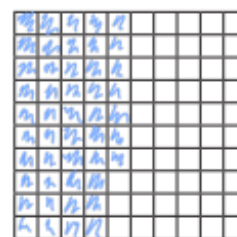


d) $0.99 + 0.01 = 1$

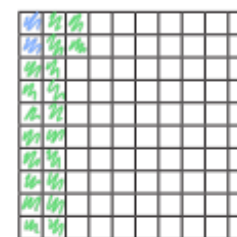


- 2 Complete the calculations.
Shade the hundred squares to help you.

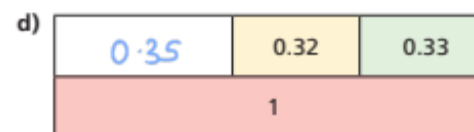
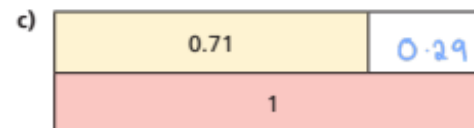
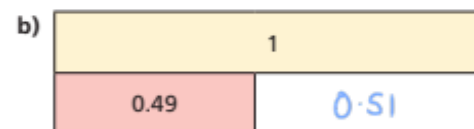
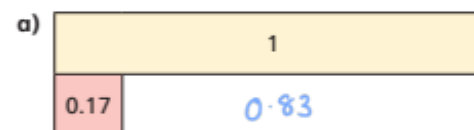
a) $1 = 0.47 + 0.53$



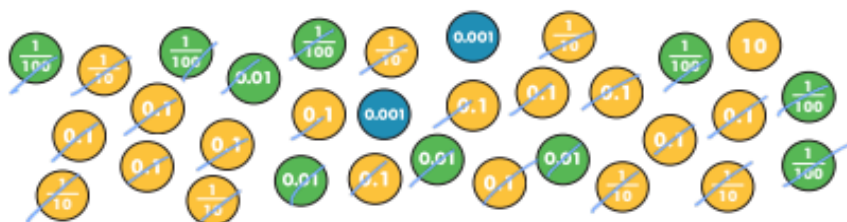
b) $0.02 + 0.2 + 0.78 = 1$



- 3 Complete the bar models.



- 4 Teddy has these counters.



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

How many 1s counters can he collect?

19 tenths
10 hundredths (1 tenth) } 2 ones
1 ten ← ten ones

12

- 5 Complete the additions.

$$54 + \boxed{46} = 100$$

$$5.4 + \boxed{4.6} = 10$$

$$0.54 + \boxed{0.46} = 1$$

$$0.054 + \boxed{0.046} = 0.1$$

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

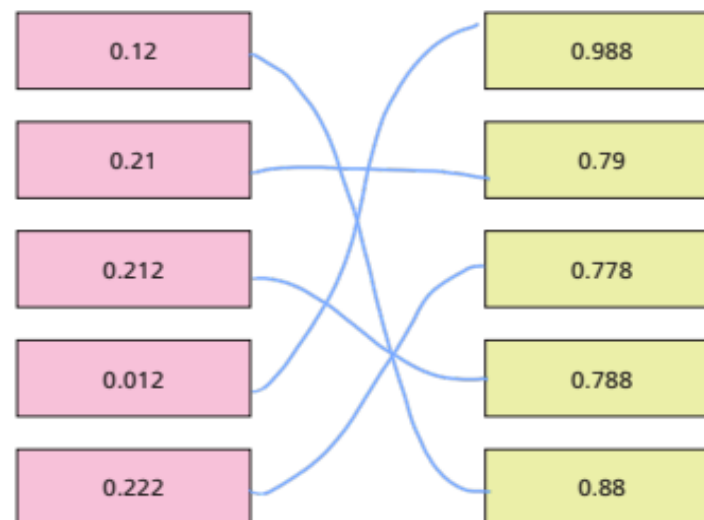
- 6 Complete the sentences.

a) 6 tenths + $\boxed{4}$ tenths = 1 whole

b) 23 hundredths + $\boxed{77}$ hundredths = 1 whole

e.g. c) 2 tenths + $\boxed{0}$ hundredths + $\boxed{8}$ tenths = 1 whole

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



- 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?

He has used number bonds to 10 in every column.

Correct Mo's calculations.

a) $0.22 + \boxed{0.78} = 1$

c) $0.677 + \boxed{0.323} = 1$

b) $0.39 + \boxed{0.61} = 1$

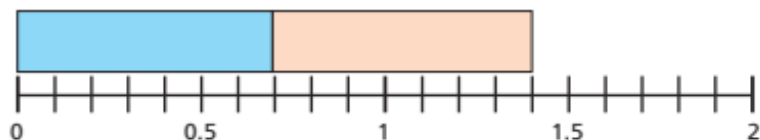
Lesson 2 – Teach and Practise- Adding decimals, crossing the whole

Adding decimals – crossing the whole

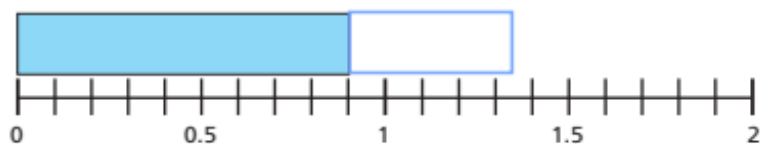


- 1 Work out the totals of these decimals.
Use the number lines to help you.

a) $0.7 + 0.7 = 1.4$



b) $0.9 + 0.45 = 1.35$

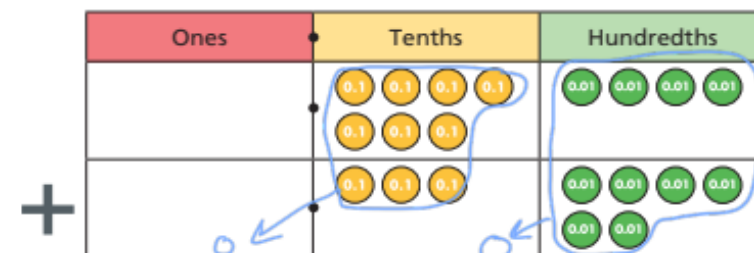


c) $0.6 + 0.8 + 0.15 = 1.55$

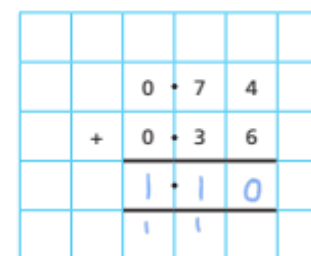


- 2 Complete the additions.

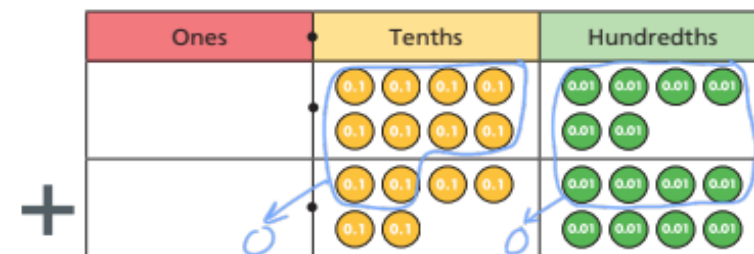
a) $0.74 + 0.36 = 1.1$



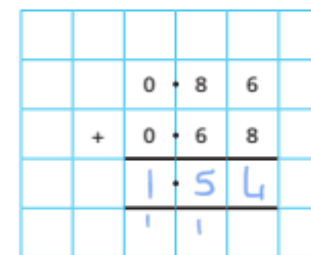
+



b) $0.86 + 0.68 = 1.54$



+



- 3 Use the column method to work out the additions.

a)

		0	•	4	2
	+	0	•	6	9
		1	•	1	1
		1			

b)

		0	•	4	1
	+	0	•	7	
		1	•	1	1
		1			

c)

		0	•	9	6
	+	0	•	9	7
		1	•	9	3
		1			

d)

		0	•	3	
	+	0	•	8	0 4
		1	•	1	0 4
		1			

e)

		0	•	2	2 2
	+	0	•	8	7 6
		1	•	0	9 8
		1			

f)

		0	•	5	
	+	0	•	7	7
		1	•	2	7
		1			

g)

		0	•	7	5 1
	+	0	•	3	2
		1	•	0	7 1
		1			

h)

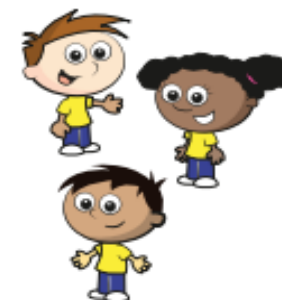
		0	•	6	0 4
	+	0	•	5	1 9
		1	•	1	2 3
		1			

- 4 Teddy runs 0.32 km.

Amir runs half a kilometre.

Whitney runs 0.47 km.

a) How far do they run altogether?



1.29 km

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

How far does Jack run?

1.17 km

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

How much does Ron spend in total?



Ron spends £ 2.93 in total.

Lesson 3 – Challenge/Apply

Starter – Quick 10

Question	Answer	Question	Answer
EXAMPLE: $2 \times 4 =$	8	6. 8 cubed =	64
1. $67 + 23 =$	90		
2. 9 squared =	81	7. $79 \times 10 =$	790
3. $7 \times 8 =$	56	8. $20 \times 6 =$	120
4. $13 \times 4 =$	52	9. $8921 - 3820 =$	5101
5. $2345 \times 100 =$	234500	10. $77239 + 2390 =$	79,629

Challenge 1	Star = 10, heart = 17, triangle = 0
Challenge 2	A pencil costs 8p
Challenge 3	Amir's number is 538, Donna's number is 853
Challenge 4	Perimeter = 64 cm
Challenge 5	The length is 480 cm

Extension Task

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A

- 1 84.1
- 2 8.46
- 3 12.15
- 4 21.29
- 5 37.42

- 6 25.31
- 7 54.2
- 8 88.11
- 9 76.36
- 10 43.1

- 11 42.3 cm
- 12 44.76 secs.
- 13 3.04 m

B

- 1 13.523
- 2 21.41
- 3 9.067
- 4 9.213
- 5 43.54

- 6 42.2
- 7 109.12
- 8 8.767
- 9 15.721
- 10 8.041

- 11 12.282 kg
- 12 14.46 km
- 13 86.64 litres

C

- 1 21.905
- 2 45.756
- 3 155.53
- 4 66.323
- 5 52.584

- 6 265.16
- 7 30.327
- 8 128.305
- 9 20.681
- 10 368.062

- 11 24.23
- 12 32.409
- 13 333.175 km
- 14 43.585 litres
- 15 608.014 kg

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A

- 1 31.7
- 2 15.9
- 3 17.4
- 4 5.18
- 5 4.67

- 6 4.35
- 7 1.66
- 8 1.59
- 9 4.46
- 10 3.07

- 11 £4.69
- 12 14.1 m
- 13 3.29 litres
- 14 2.5 kg

B

- 1 12.63
- 2 3.825
- 3 73.46
- 4 1.112
- 5 6.2

- 6 2.817
- 7 3.061
- 8 1.092
- 9 1.092
- 10 0.659

- 11 67.91 secs
- 12 28.81 kg
- 13 2.352 km

C

- 1 7.82
- 2 5.057
- 3 23.52
- 4 1.776
- 5 59.39

- 6 5.889
- 7 25.45
- 8 4.384
- 9 26.85
- 10 6.322

- 11 1.948
- 12 61.994
- 13 4.545 litres
- 14 15.73 km²
- 15 64.675 kg