

# Maths Answer Pack - Week 6

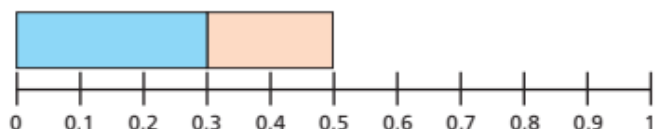
## Lesson 1 - Teach and Practise- Adding decimals to 1

### Adding decimals within 1

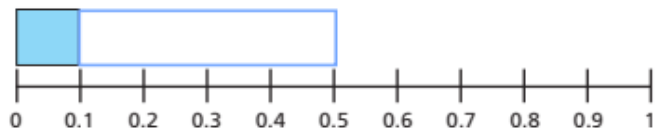


- 1 Work out the additions.  
Use the number lines to help you.

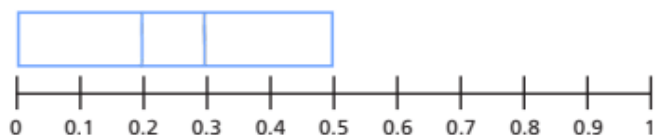
a)  $0.3 + 0.2 = 0.5$



b)  $0.1 + 0.4 = 0.5$



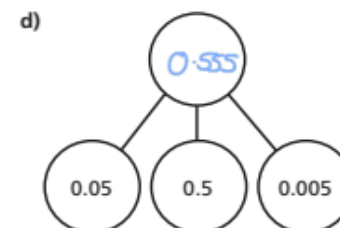
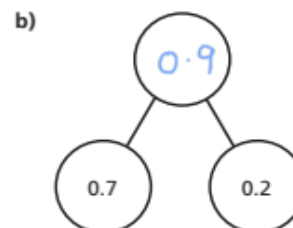
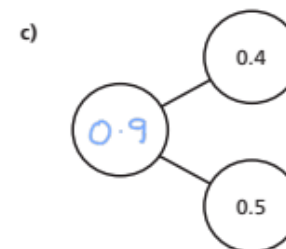
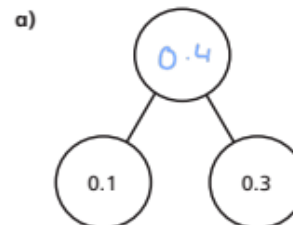
c)  $0.2 + 0.1 + 0.2 = 0.5$



What do you notice about your answers?



- 2 Complete the part-whole models.



- 3 Complete the additions.  
Use the place value charts to help you.

a)  $0.42 + 0.3 = 0.72$

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

+

b)  $0.28 + 0.32 = 0.6$

Ones	Tenths	Hundredths
	0.1 0.1	0.01 0.01 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

+



c)  $0.28 + 0.36 =$  0.64

+

Ones	Tenths	Hundredths
	00	0000
	000	0000



4 Use the column method to work out the additions.

a)

		0	•	4	2
	+	0	•	3	
		0	•	7	2

d)

		0	•	4	2
	+	0	•	0	3 3
		0	•	4	5 3

b)

		0	•	0	4
	+	0	•	3	3
		0	•	3	7

e)

		0	•	4	3 6
	+	0	•	1	7
		0	•	6	0 6

c)

		0	•	4	0 2
	+	0	•	0	3
		0	•	4	3 2

f)

		0	•	7	5 1
	+	0	•	0	9
		0	•	8	4 1

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

What mistake has Jack made?

$$\begin{array}{r} 0.19 \\ + 0.7 \\ \hline . \end{array}$$

6 Add together 7 hundredths and 34 hundredths.

Give your answer as a decimal.

7 hundredths + 34 hundredths = 0.41

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?

Eva 0.25 L  
Mo 0.3 L  
Whitney 0.4 L



0.95 L

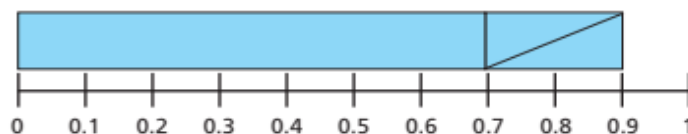
# Lesson 2 - Teach and Practise- Subtracting decimals to 1

## Subtracting decimals within 1

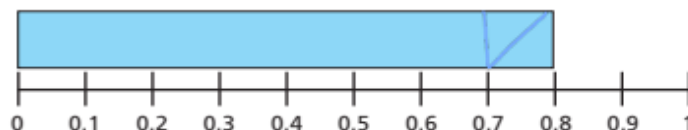
White  
Rose  
Maths

- 1 Work out the subtractions.  
Use the number lines to help you.

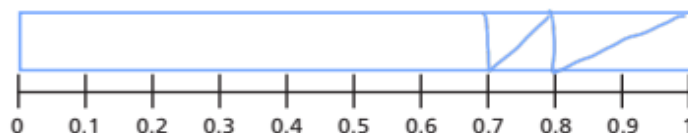
a)  $0.9 - 0.2 = 0.7$



b)  $0.8 - 0.1 = 0.7$



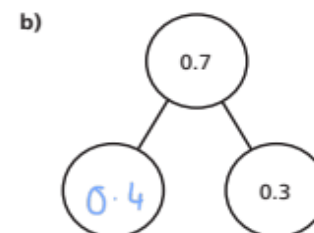
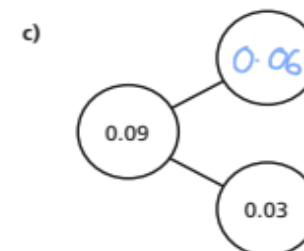
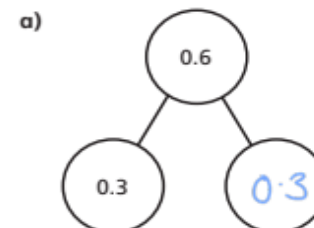
c)  $1 - 0.2 - 0.1 = 0.7$



What do you notice about your answers?



- 2 Complete the part-whole models.



- 3 Complete the subtractions.

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

a)  $0.42 - 0.3 = 0.12$

Ones	Tenths	Hundredths
	<div>0.1</div> <div>0.1</div>	<div>0.01</div> <div>0.01</div>

b)  $0.28 - 0.05 = 0.23$

Ones	Tenths	Hundredths
	<div>0.1</div> <div>0.1</div>	<div>0.01</div> <div>0.01</div> <div>0.01</div> <div>0.01</div>

- 4 Use the column method to work out the subtractions.

a)

		0	•	8	9		
		-		0	•	4	
				0	•	4	9

c)

		0	•	7	7		
		-		0	•	6	8
				0	•	0	9

b)

		0	•	7	7		
		-		0	•	6	4
				0	•	1	3

d)

		0	•	7	7		
		-		0	•	2	5
				0	•	4	5

5



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

Do you agree with Eva? NO

Work out the answer to  $0.56 - 0.099$

$$\begin{array}{r} 0.560 \\ - 0.099 \\ \hline 0.461 \end{array}$$

0.461

- 6 Find the difference between 53 hundredths and 8 tenths.

Give your answer as a decimal.

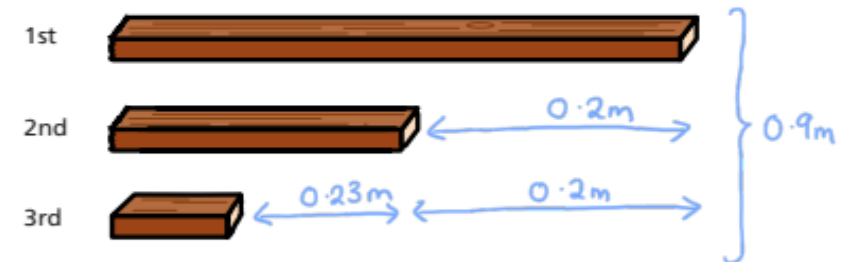
The difference between 53 hundredths and 8 tenths is 0.27

- 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.



How long is each piece of wood?

1st = 0.51m      2nd = 0.31m      3rd = 0.08m

## Lesson 3 - Apply

### Starter - Quick 10

Question	Answer	Question	Answer
EXAMPLE: $2 \times 4 =$	8		
1. $1240 + 9820 =$	11,060	6. $7 \times 7 =$	49
2. 10 squared =	100	7. $34 \times 100 =$	3400
3. $3 \times 8 =$	24	8. $20 \times 4 =$	80
4. $11 \times 6 =$	66	9. $3678 - 2109 =$	1569
5. $250 + 10 =$	25	10. $12809 + 32852 =$	45,661

Circle **two** numbers which **add** to make **0.12**

1.



0.1    0.5    0.05    0.7    0.07    0.2

1 mark

2.

$$0.4 = \frac{?}{100}$$

40

1 mark

3.

$$0.333 + \boxed{\phantom{000}} = 1$$

I think the answer is 0.777  
because  
 $0.3 + 0.7 = 1$   
 $0.03 + 0.07 = 0.1$   
 $0.003 + 0.007 = 0.01$



Tommy is wrong because he hasn't thought about place value. He has added 7 to each place value column, adding another one to each of the next columns along.

Do you agree with Tommy?  
Can you explain what his mistake was?

4.

$$\begin{array}{r} 6.4 \\ - 3.8 \\ \hline 2.6 \\ \hline \end{array}$$

$$\begin{array}{r} 5.05 \\ - 2.15 \\ \hline 2.9 \\ \hline \end{array}$$

$$\begin{array}{r} 4.42 \\ + 7.63 \\ \hline 12.05 \\ \hline \end{array}$$

$$\begin{array}{r} 4.55 \\ + 3.07 \\ \hline 7.62 \\ \hline \end{array}$$

## Extension Task

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### A

<b>1</b> 0.9	<b>7</b> 0.65	<b>13</b> 0.2	<b>19</b> 0.7
<b>2</b> 0.3	<b>8</b> 0.25	<b>14</b> 0.4	<b>20</b> 2.23
<b>3</b> 0.5	<b>9</b> 0.85	<b>15</b> 0.6	<b>21</b> 0.4
<b>4</b> 0.8	<b>10</b> 0.55	<b>16</b> 2.35	<b>22</b> 0.21
<b>5</b> 0.6	<b>11</b> 0.05	<b>17</b> 0.07	<b>23</b> 0.7
<b>6</b> 0.1	<b>12</b> 0.35	<b>18</b> 3.52	<b>24</b> 2.09

### B

<b>1</b> 0.74	<b>13</b> 0.68	<b>25</b> 2.23	<b>37</b> 3.05
<b>2</b> 0.17	<b>14</b> 0.13	<b>26</b> 4.016	<b>38</b> 2.635
<b>3</b> 0.55	<b>15</b> 0.59	<b>27</b> 7.45	<b>39</b> 5.592
<b>4</b> 0.21	<b>16</b> 0.31	<b>28</b> 2.68	<b>40</b> 4.439
<b>5</b> 0.88	<b>17</b> 0.84	<b>29</b> 0.805	<b>41</b> 6.64
<b>6</b> 0.36	<b>18</b> 0.27	<b>30</b> 5.26	<b>42</b> 0.85
<b>7</b> 0.63	<b>19</b> 0.02	<b>31</b> 3.17	<b>43</b> 3.819
<b>8</b> 0.09	<b>20</b> 0.76	<b>32</b> 5.336	<b>44</b> 10.12
<b>9</b> 0.92	<b>21</b> 0.43	<b>33</b> 5.901	<b>45</b> 5.337
<b>10</b> 0.47	<b>22</b> 0.95	<b>34</b> 4.62	<b>46</b> 1.49
<b>11</b> 0.28	<b>23</b> 0.14	<b>35</b> 8.52	<b>47</b> 7.075
<b>12</b> 0.71	<b>24</b> 0.69	<b>36</b> 4.093	<b>48</b> 4.129

### C

<b>1</b> 0.375	<b>7</b> 0.245	<b>13</b> 1.042	<b>19</b> 0.701
<b>2</b> 0.815	<b>8</b> 0.435	<b>14</b> 3.49	<b>20</b> 7.28
<b>3</b> 0.065	<b>9</b> 0.655	<b>15</b> 0.627	<b>21</b> 0.56
<b>4</b> 0.185	<b>10</b> 0.565	<b>16</b> 5.436	<b>22</b> 2.765
<b>5</b> 0.905	<b>11</b> 0.095	<b>17</b> 0.275	<b>23</b> 0.605
<b>6</b> 0.725	<b>12</b> 0.845	<b>18</b> 1.809	<b>24</b> 3.625