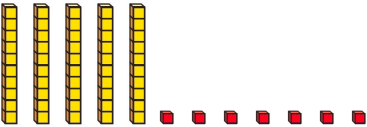
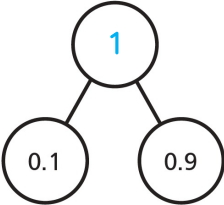
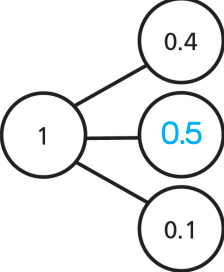
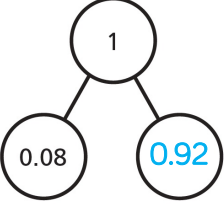
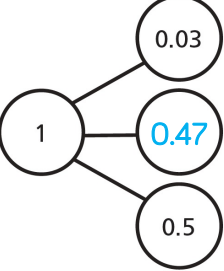


Question	Answer
1	a) $3 + 7 = 10$ b) $30 + 70 = 100$ Both parts have 3 red counters and 7 yellow counters, but in part a) each counter is a one counter and in part b) each counter is a tens counter.
2	a) $0 + 10 = 10$ $1 + 9 = 10$ $2 + 8 = 10$ $3 + 7 = 10$ $4 + 6 = 10$ $5 + 5 = 10$ Children may have the same number bonds but with the numbers the other way round, e.g. $4 + 6$ and $6 + 4$ b) $0 + 100 = 100$ $10 + 90 = 100$ $20 + 80 = 100$ $30 + 70 = 100$ $40 + 60 = 100$ $50 + 50 = 100$
3	a) $3 + 5 = 8$ $30 + 50 = 80$ $30 + 50 = 80$ $80 = 50 + 30$ b) $7 + 2 = 9$ $70 + 20 = 90$ $70 + 20 = 90$ $90 = 20 + 70$ c) $2 + 2 = 4$ $20 + 20 = 40$ $20 + 20 = 40$ $40 = 20 + 20$ d) $6 + 0 = 6$ $60 + 0 = 60$ $60 + 0 = 60$ $60 = 0 + 60$
4	$100 = 100 - 0$ $90 = 100 - 10$ $80 = 100 - 20$ $70 = 100 - 30$ $60 = 100 - 40$ $50 = 100 - 50$ continuation of pattern: $40 = 100 - 60$ $30 = 100 - 70$ $20 = 100 - 80$ $10 = 100 - 90$ $0 = 100 - 100$ pattern starting with 50: $50 = 50 - 0$ $40 = 50 - 10$ $30 = 50 - 20$ $20 = 50 - 30$ $10 = 50 - 40$ $0 = 50 - 50$ There are a total of 10 different patterns, starting with 10, 20, 30, ... 100

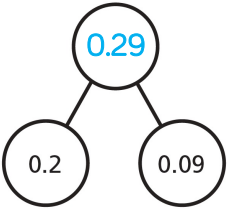
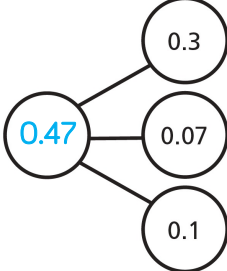
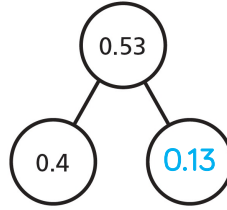
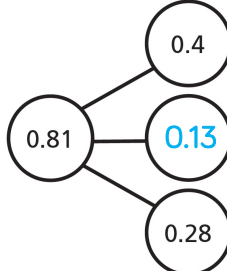
Question	Answer				
1	37 63 $37 + 63 = 100$				
2					
3	32				
4	<table><tr><td colspan="2">100</td></tr><tr><td>41</td><td>59</td></tr></table>	100		41	59
100					
41	59				
5	a) 60 b) 30 c) 28 d) 72 e) 50 f) 63 g) 78 h) 92				
6	£42				
7	No. Whitney needs 2 more ones, which will make 1 ten with the 8 ones from 28. So she then needs 6 more tens to make 10 tens. The answer is 62				

Question	Answer
1	a) 27 b) 73 c) 27 hundredths + 73 hundredths = 1 whole
2	a) 62 hundredths are on the left. b) 38 hundredths are on the right. c) 0.62 + 0.38 = 1
3	a) 1 tenth = 10 hundredths b) $\frac{2}{10} = \frac{20}{100}$ c) 70 hundredths = 7 tenths d) 32 hundredths = 0.32 e) 0.4 = 4 tenths f) 50 hundredths = 0.5
4	No. 4 tenths is 40 hundredths, so she needs to shade 60 more squares.
5	a)  b)  c)  d) 

Question	Answer
6	0.4 + 0.6 ☐ 0.4 + 0.06 ☒ 0.04 + 0.06 ☒ 0.8 + 0.92 ☒ 0.08 + 0.92 ☐ 0.92 + 0.08 ☐ The two numbers need to sum to 100 hundredths.
7	The length of the remaining ribbon is 0.76 m.
8	a) 0.9 b) 0.99 c) 0.97 d) 0.21 e) 0.2 f) 0.46
9	shorter One string is $64 \div 2 = 32$ cm long. $3 \times 32 = 96$ cm, which is shorter than 100 cm.
10	$\frac{6}{10} + 0.4 = 1$ $\frac{19}{100} + \frac{8}{10} + 0.01 = 1$ $0.2 + 0.5 + \frac{30}{100} = 1$ other ways of making 1: $\frac{8}{10} + 0.2 = 1$ $\frac{19}{100} + \frac{6}{10} + 0.01 + 0.2 = 1$

Y4 – Summer – Block 1 – Step 2 – Write decimals Answers

Question	Answer																																																
1	a) There are 3 ones, 2 tenths and 5 hundredths. The number is 3.25 b) There are 0 ones, 5 tenths and 5 hundredths. The number is 0.55 c) There are 3 ones, 0 tenths and 7 hundredths. The number is 3.07 d) There are 3 ones, 7 tenths and 0 hundredths. The number is 3.7																																																
2	a) 3 tenths b) 2 ones c) 7 hundredths d) 5 tens																																																
3	No. There are 3 ones, 0 tenths and 4 hundredths, so the number is 3.04																																																
4	a) <table><tr><td>T</td><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td>3</td><td>2</td><td>0</td><td>4</td></tr></table> b) <table><tr><td>T</td><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td></td><td>2</td><td>0</td><td>4</td></tr></table> c) <table><tr><td>T</td><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td></td><td>0</td><td>0</td><td>4</td></tr></table> d) <table><tr><td>T</td><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td></td><td>0</td><td>5</td><td></td></tr></table> e) <table><tr><td>T</td><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td></td><td>2</td><td></td><td></td></tr></table> f) <table><tr><td>T</td><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td>3</td><td>0</td><td>5</td><td></td></tr></table>	T	O	Tths	Hths	3	2	0	4	T	O	Tths	Hths		2	0	4	T	O	Tths	Hths		0	0	4	T	O	Tths	Hths		0	5		T	O	Tths	Hths		2			T	O	Tths	Hths	3	0	5	
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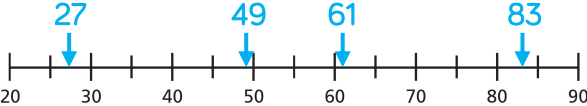
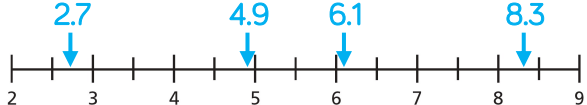
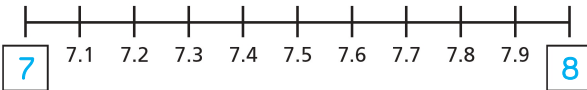
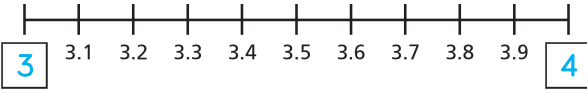
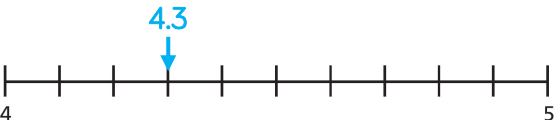
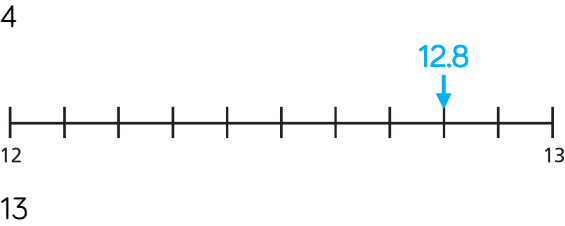
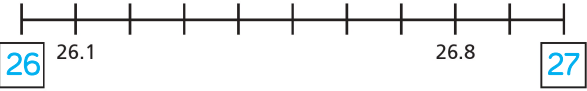
Question	Answer
5	a)  b)  c)  d) 
6	multiple possible answers, e.g.: $0.7 + 0.02 = 0.72$ $0.5 + 0.22 = 0.72$ $0.51 + 0.21 = 0.72$
7	Eva has shown 10 tenths on the place value chart, but she needs to exchange the 10 tenths for 1 one.
8	Annie 0.05 Rosie 0.4 Dora 0.2 Jack 0.06 Whitney 0.03 Children need to be able to explain their method to a partner.

Question	Answer																								
1	a) < b) < c) > d) > No. Compare the 1st column. We need to compare the next column only if the 1st column is the same. Only part d) needed all the columns to be compared.																								
2	multiple possible answers, e.g.: a) <table><tr><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td>1 1 1 0.1</td><td></td><td>0.01 0.01 0.01 0.01</td></tr></table> < <table><tr><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td>4 4 4 4</td><td></td><td></td></tr></table> b) <table><tr><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td>1 1 1 0.1</td><td></td><td>0.01 0.01 0.01 0.01</td></tr></table> > <table><tr><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td>1 1 1</td><td></td><td>4</td></tr></table>	O	Tths	Hths	1 1 1 0.1		0.01 0.01 0.01 0.01	O	Tths	Hths	4 4 4 4			O	Tths	Hths	1 1 1 0.1		0.01 0.01 0.01 0.01	O	Tths	Hths	1 1 1		4
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1 1 1 0.1		0.01 0.01 0.01 0.01																							
O	Tths	Hths																							
1 1 1		4																							
3	a) > b) < c) > d) < e) >																								
4	a) multiple possible answers, e.g.: 6.29 b) multiple possible answers, e.g.: 3.16 c) 9.99 d) multiple possible answers, e.g.: 0.85																								
5	No. Ron has made 0.42 and Amir has made 3 Ron does not have any counters in the ones column, so Amir's number is greater.																								

Question	Answer
6	a) multiple possible answers: 0.71 0.62 0.53 0.44 0.35 0.26 0.17 0.08 b) multiple possible answers: 6.02 6.11 6.2 7.01 7.2 8 c) 5.21 There are multiple possible answers for parts a) and b), but only one possible answer for part c).
7	a) < b) > c) > d) <
8	a) any digit between 5 and 9 b) 0 or 1 c) 8 or 9 d) multiple possible answers, e.g.: 1.31 < 1.37 e) multiple possible answers, e.g.: 2.92 > 2.82 f) multiple possible answers, e.g.: 0.88 < 0.89 0.83 < 0.99 0.89 < 0.99 There are several answers for each part, apart from parts b) and c), which each only have two possible answers.

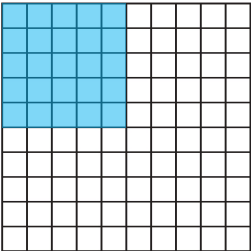
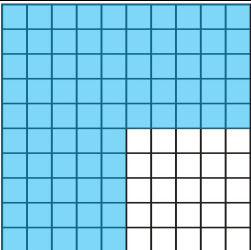
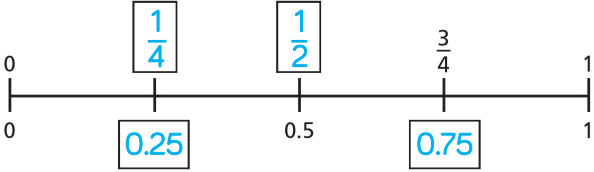
Question	Answer
9	multiple possible answers: $1.3 > 0.7$ $1.7 > 0.3$ $3.0 > 1.7$ $3.1 > 0.7$ $3.7 > 0.1$ $3.7 > 1.0$ $7.0 > 1.3$ $7.0 > 3.1$ $7.1 > 0.3$ $7.1 > 3.0$ $7.3 > 0.1$ $7.3 > 1.0$ There are 12 possible answers.

Question	Answer																																				
1	a) A 3.14 B 4.14 C 3.15 D 3.23 b) 3.14 3.15 3.23 4.14 A C D B																																				
2	a) <table><tr><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td>1</td><td>0.1 0.1 0.1 0.1</td><td>0.01 0.01</td></tr><tr><td>1</td><td>4</td><td>2</td></tr></table> <table><tr><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td>1 1</td><td></td><td>0.01 0.01 0.01 0.01 0.01 0.01</td></tr><tr><td>2</td><td>0</td><td>6</td></tr></table> <table><tr><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td>1 1</td><td>0.1 0.1 0.1</td><td></td></tr><tr><td>2</td><td>3</td><td></td></tr></table> <table><tr><td>O</td><td>Tths</td><td>Hths</td></tr><tr><td>1</td><td>0.1 0.1 0.1</td><td>0.01 0.01 0.01</td></tr><tr><td>1</td><td>3</td><td>3</td></tr></table> b) 1.33 1.42 2.06 2.3	O	Tths	Hths	1	0.1 0.1 0.1 0.1	0.01 0.01	1	4	2	O	Tths	Hths	1 1		0.01 0.01 0.01 0.01 0.01 0.01	2	0	6	O	Tths	Hths	1 1	0.1 0.1 0.1		2	3		O	Tths	Hths	1	0.1 0.1 0.1	0.01 0.01 0.01	1	3	3
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1	3	3																																			
3	4.12 2.41 1.42 1.24																																				
4	No. Teddy has only looked at the 1st digit. He needs to look at the place value of each digit. The correct order is: 0.64 2.83 12.7																																				
5	Dexter Both numbers have 4 ones. 4.12 has 1 tenth and 4.8 has 8 tenths, so 4.12 is smaller than 4.8. It is not necessary to compare the number of hundredths in each number.																																				
6	a) $3.2 < 3.8 < 3.9$ ascending b) $0.41 > 0.38 > 0.25$ descending c) $4.2 > 4.17 > 4.085$ descending																																				
7	a) 0.97 1.45 1.81 2.38 b) 0.09 0.46 0.64 0.7 c) 0.99 2 7.83 12.3																																				
8	Dora Ron Tommy Eva Amir																																				
9	multiple possible answers, e.g.: ascending order 0.41 2.41 7.39 9.41 descending order 8.41 7.49 6.41 5.47 There are many ways to complete the lists. The last number in the ascending list and the first number in the descending list can only be 8 or 9, so these numbers cannot be used anywhere else.																																				

Question	Answer
1	a)  b) 49 is closer to 50 than 40 27 is closer to 30 than 20 83 is closer to 80 than 90 61 is closer to 60 than 70
2	a)  b) 4.9 is closer to 5 than 4 2.7 is closer to 3 than 2 8.3 is closer to 8 than 9 6.1 is closer to 6 than 7
3	a)  b) 
4	a) $1 < 1.4 < 2$ b) $34 < 34.8 < 35$ c) $0 < 0.7 < 1$
5	a)  b) 
6	a)  4.3 is closer to 4 than 5 4.7 is closer to 5 than 4 b)  26.1 is closer to 26 than 27 26.8 is closer to 27 than 26

Y4 – Summer – Block 1 – Step 5 – Round decimals Answers (continued)

Question	Answer
7	4.1 2.8 0.7 12.3 0.5 99.3
8	a) 2 b) 4 c) 1 d) 2 e) 14 f) 20 g) 0 h) 100
9	No. The number is between 8 and 9, so rounds down to 8
10	possible answers: 31.5 31.6 31.7 31.8 31.9 32.1 32.2 32.3 32.4 There are nine possible answers.

Question	Answer
1	a) 50 b) 5 c) $\frac{1}{2} = \frac{50}{100}$ $\frac{1}{2} = \frac{5}{10}$ d) 0.5
2	a)  b) 25 c) $\frac{1}{4} = \frac{25}{100}$ d) 0.25
3	a)  b) 75 c) $\frac{3}{4} = \frac{75}{100}$ d) 0.75
4	She can add the decimals for $\frac{1}{2}$ and $\frac{1}{4}$ to find the decimal for $\frac{3}{4}$
5	true In both Rekenreks, 25 of the 100 beads are on the left, so they both represent $\frac{1}{4}$
6	

Question	Answer
7	a) 0.25 b) 0.75 c) 0.25 d) 0.75 e) $\frac{1}{4}$ f) $\frac{3}{4}$ g) 0.5 h) $\frac{1}{2}$
8	1 0.25 0.25 0.25 0.25
9	a) 0.5 b) 0.25 c) 0.75 d) $\frac{6}{24}$ e) $\frac{34}{68}$ f) $\frac{300}{400}$