

Adding and subtracting fractions

Answer sheet

Question 1

Can you complete these adding and subtracting fractions calculations?

a $\frac{2}{5} + \frac{1}{5} = \frac{\boxed{3}}{\boxed{5}}$

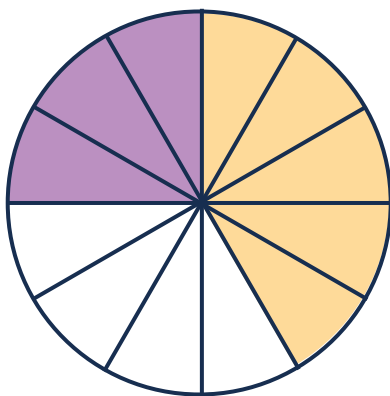
b $\frac{7}{8} - \frac{4}{8} = \frac{\boxed{3}}{\boxed{8}}$

c $\frac{3}{4} - \frac{1}{4} = \frac{\boxed{2}}{\boxed{4}}$

d $\frac{3}{11} + \frac{5}{11} = \frac{\boxed{8}}{\boxed{11}}$

Question 2

a Can you write an addition sentence for this diagram?



e.g. $\frac{\boxed{3}}{\boxed{12}} + \frac{\boxed{5}}{\boxed{12}} = \frac{\boxed{8}}{\boxed{12}}$

b Can you write a subtraction sentence for this diagram?



e.g. $\frac{\boxed{5}}{\boxed{6}} - \frac{\boxed{2}}{\boxed{6}} = \frac{\boxed{3}}{\boxed{6}}$



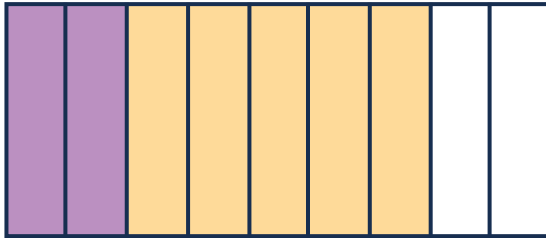
Adding and subtracting fractions

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- c Can you draw a diagram for this addition sentence?

$$\frac{2}{9} + \frac{5}{9} = \frac{\boxed{7}}{\boxed{9}}$$

e.g.



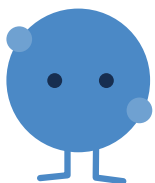
Question 3

Can you complete the missing parts of these calculations?

a $\frac{1}{5} + \frac{\boxed{2}}{5} = \frac{5}{5} - \frac{\boxed{2}}{5}$ b $\frac{\boxed{9}}{12} - \frac{\boxed{1}}{12} = \frac{3}{12} + \frac{\boxed{5}}{\boxed{12}}$

c $\frac{9}{10} = \frac{\boxed{7}}{10} + \frac{\boxed{2}}{10}$ d $\frac{\boxed{2}}{6} + \frac{3}{6} = \frac{\boxed{1}}{6} + \frac{\boxed{4}}{6}$

Question 4



Theo has $\frac{7}{8}$ of a tin of paint. He uses $\frac{5}{8}$ of the tin to paint his front door. How much paint does he have left?

$$\frac{\boxed{2}}{\boxed{8}}$$



Compare, order and round decimals

Answer sheet

Question 1

Use the symbols $<$, $>$, or $=$ to complete these sentences.

a

T	O	t	h
	2	0	8

<

T	O	t	h
	2	8	

b

T	O	t	h
3	0	0	9

>

T	O	t	h
1	3	9	2

c

T	O	t	h
	0	4	1

>

T	O	t	h
	0	1	4

Question 2

Can you add numbers to the place value grids to make these statements correct?

a

e.g.

O	t	h
5	7	2

>

O	t	h
3	8	1

b

e.g.

O	t	h
0	0	8

<

O	t	h
0	1	



Compare, order and round decimals

Answer sheet

c

e.g.

T	O	t	h
1	0	2	3

>

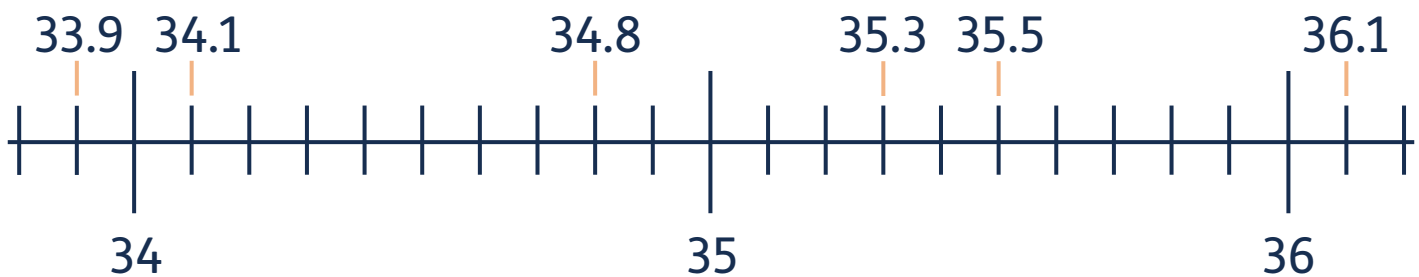
T	O	t	h
	8	9	4

The important thing here is that children put a number in the T column of the first place value grid

Question 3

Can you put these numbers in order on the number line?

34.8 35.5 34.1 35.3 36.1 33.9



Question 4

Can you arrange these numbers in ascending order from left to right?

2.15

1.52

1.25

2.51

2.05

2.5

1.25

<

1.52

<

2.05

<

2.15

<

2.5

<

2.51

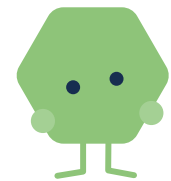


Compare, order and round decimals

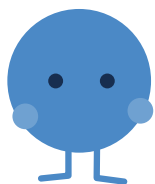
Answer sheet

Question 5

I am thinking of a number with 2 decimal places. When I round it to the nearest whole number, it is 45. What number could it be? Is there more than one possible answer? Why?



e.g. 45.23. There is more than one possible answer. Children might give any answer from 44.50 up to 45.49. Numbers from .5 onwards round up and numbers below .5 round down.



I am thinking of a number with 1 decimal place. My number is greater than 50, but less than 52. When I round it to the nearest whole number, it is 51. How many possible answers are there? Can you list them all?

There are 10 possible answers.
They are: 50.5, 50.6, 50.7, 50.8, 50.9, 51.0, 51.1, 51.2, 51.3 and 51.4.



Decimal calculations

Answer sheet

Question 1

Can you complete these addition and subtraction calculations?

a $5.62 + 3.34 =$ 8.96

T	O	•	t	h
	5	•	6	2
+			3	4
<hr/>				
	8	•	9	6

b $2.93 + 7.08 =$ 10.01

T	O	•	t	h
	2	•	9	3
+			7	0
<hr/>				
1	0	•	0	1
1	1		1	

c $9.32 - 5.89 =$ 3.43

T	O	•	t	h
	8 9	•	12 3	¹ 2
-			5	8
<hr/>				
	3	•	4	3

d $17.85 - 3.09 =$ 14.76

T	O	•	t	h
	1	•	7 8	¹ 5
-			3	0
<hr/>				
1	4	•	7	6

Question 2



In April, the monthly average rainfall in London is 1.8 inches. In Glasgow, it is 2.5 inches. What's the difference between the two cities?

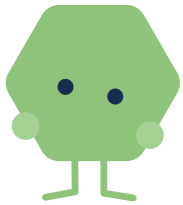
T	O	•	t	h
	1 2	•	¹ 5	
-			1	8
<hr/>				
	0	•	7	

inches



Decimal calculations

Answer sheet



João has £5.78 and Tim has £8.45. How much do they have in total?

	T	O	•	t	h
		5	•	7	8
+		8	•	4	5
£		1	•	4	2
		1		1	1

Question 3

Can you complete these addition and subtraction calculations?
Be careful with the decimal point!

a $7.94 + 1.5 =$

9.44

	T	O	•	t	h
		7	•	9	4
+		1	•	5	0
			•		
		9	•	4	4
		1			

b $8.6 - 2.89 =$

5.71

	T	O	•	t	h
		8 ⁷	•	6 ¹⁵	0 ¹
-		2	•	8	9
			•		
		5	•	7	1

c $4.25 - 3.7 =$

0.55

	T	O	•	t	h
		4 ³	•	2 ¹	5
-		3	•	7	0
			•		
		0	•	5	5

d $3.8 + 9.64 =$

13.44

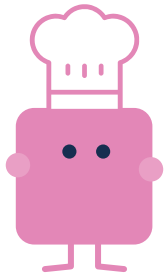
	T	O	•	t	h
		3	•	8	0
+		9	•	6	4
			•		
		1	•	3	4
		1			



Decimal calculations

Answer sheet

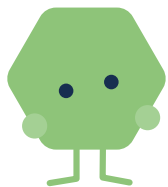
Question 4



A chef has 15 kg of potatoes. They use 4.65 kg on Monday and a further 7.6 kg on Tuesday. What mass of potatoes remain?

T	O	.	t	h
15	0	.	0	0
	7	.	6	0
		.		
	7	.	4	0

2.75 kg



Ami completes the school race in 12.84 seconds. Naomi finishes in 8.97 seconds. Who finished first? What was the difference between their times?

T	O	.	t	h
12	8	.	4	
	8	.	9	7
		.		
	3	.	8	7

Naomi finished first

Question 5

What numbers are needed to complete this calculation?

	T	O	.	t	h
	2	2	.	7	6
+	1	4	.	3	5
			.		
	3	7	.	1	1
			.		
			.		

1 1

Why not try to make your own missing number calculation!



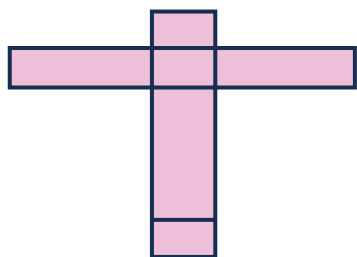
Nets

Answer sheet

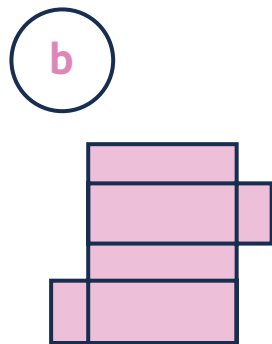
Question 1

Which of these nets **can** be folded to make a cuboid?

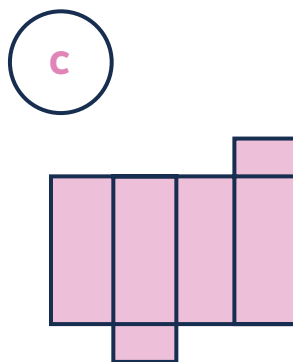
a



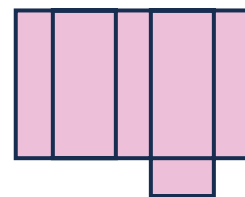
b



c



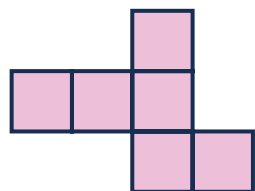
d



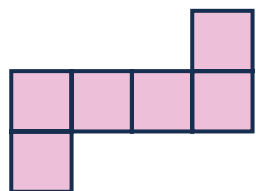
Question 2

Which of these nets **cannot** be folded into a cube?

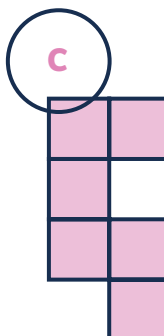
a



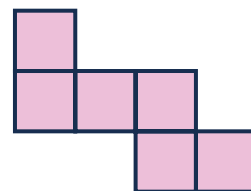
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c



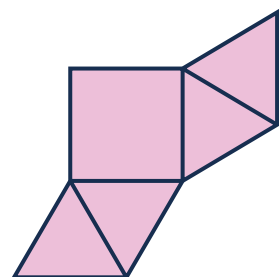
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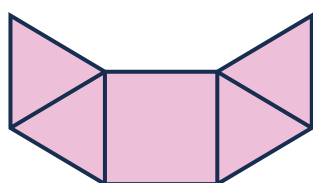
Question 3

One of these nets **cannot** make a pyramid. Which one?

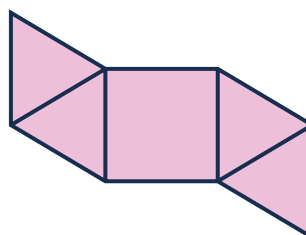
a



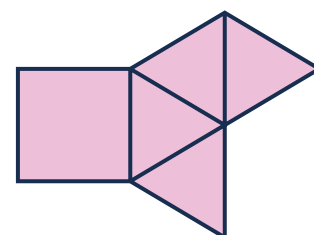
b



c



d



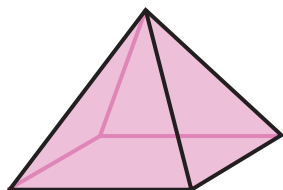
Nets

Answer sheet

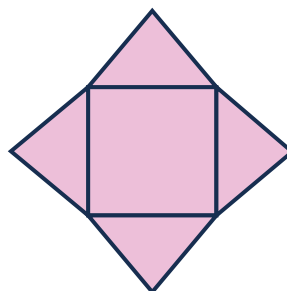
Question 4

Can you draw a net for each of these shapes?

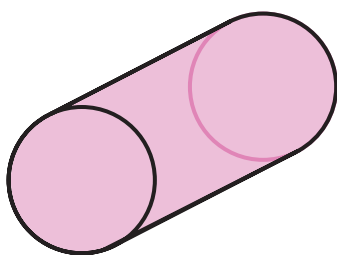
a



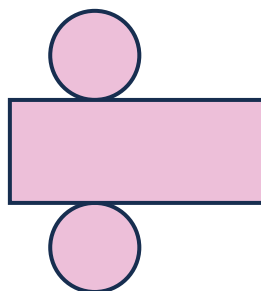
e.g.



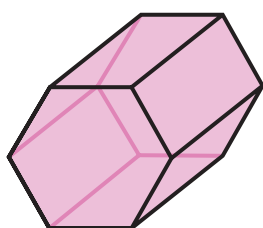
b



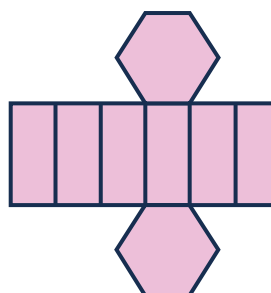
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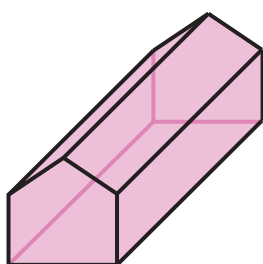
c



e.g.



d



e.g.

