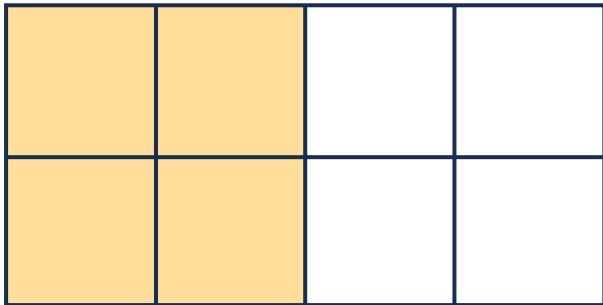


# Equivalent fractions

Answer sheet

## Question 1

What fractions does this picture show?  
Select all correct answers.



**a**  $\frac{4}{8}$

**b**  $\frac{4}{12}$

**c**  $\frac{2}{6}$

**d**  $\frac{2}{8}$

**e**  $\frac{4}{6}$

**f**  $\frac{1}{2}$

## Question 2

Can you think of another equivalent fraction for the fractions you picked?

e.g.

$$\frac{2}{4}$$

## Question 3

Can you put these equivalent fractions on the number line?

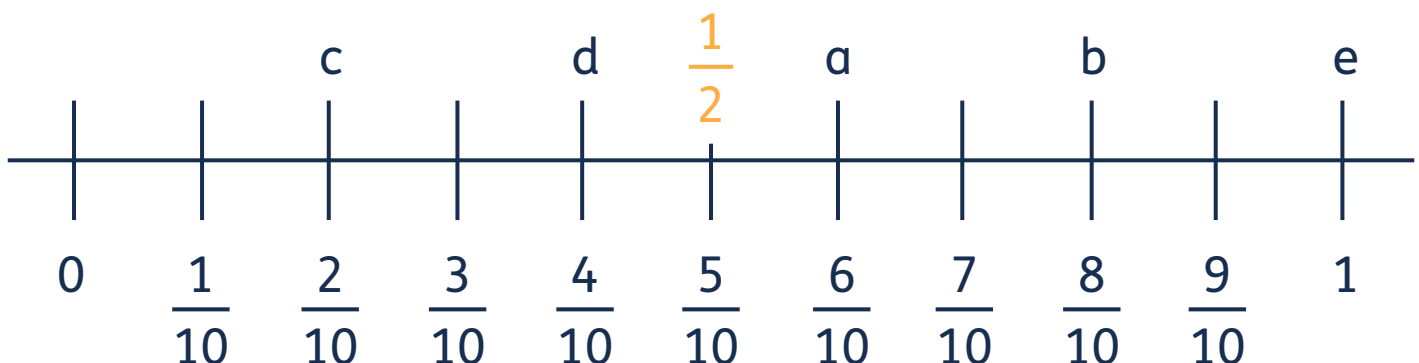
**a**  $\frac{3}{5}$

**b**  $\frac{4}{5}$

**c**  $\frac{1}{5}$

**d**  $\frac{2}{5}$

**e**  $\frac{5}{5}$

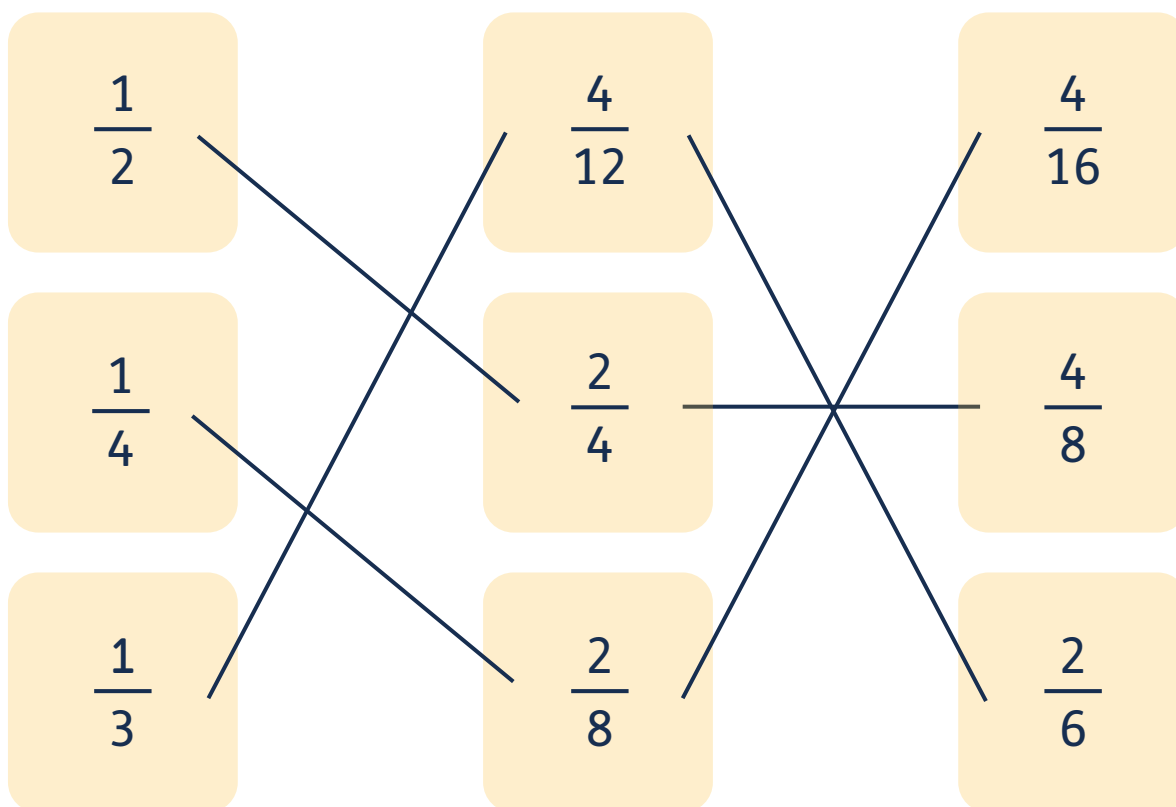


# Equivalent fractions

Answer sheet

## Question 4

Can you link the equivalent fractions?



## Question 5

Complete the equivalent fractions.

a  $\frac{3}{4} = \frac{\boxed{6}}{8} = \frac{9}{\boxed{12}}$

c  $\frac{\boxed{1}}{3} = \frac{2}{6} = \frac{4}{\boxed{12}}$

b  $\frac{4}{5} = \frac{\boxed{8}}{10} = \frac{12}{\boxed{15}}$

d  $\frac{\boxed{2}}{6} = \frac{4}{12} = \frac{\boxed{6}}{18}$



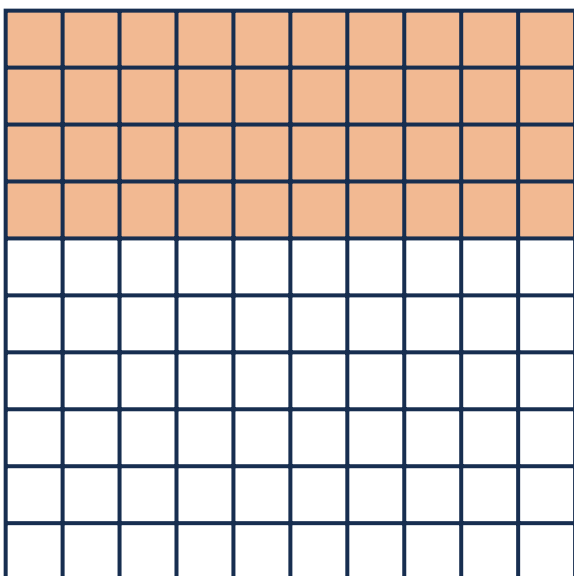
# Writing decimals

Answer sheet

## Question 1

How many hundredths have been shaded?

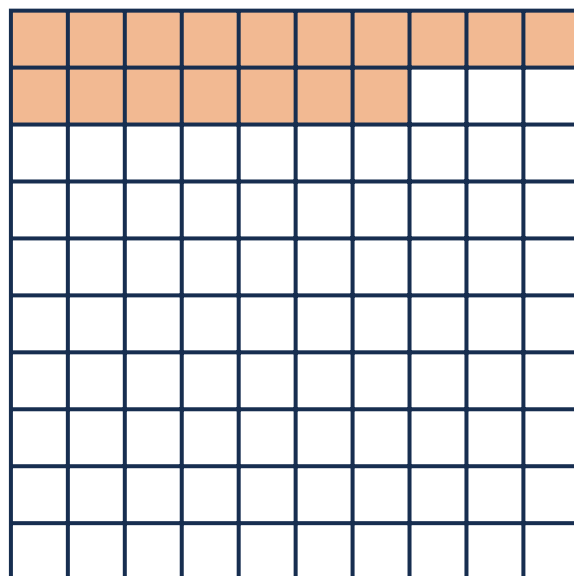
a



40

hundredths

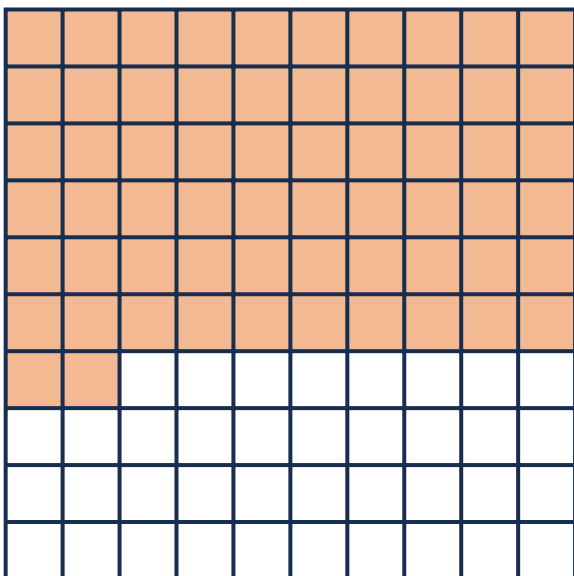
b



17

hundredths

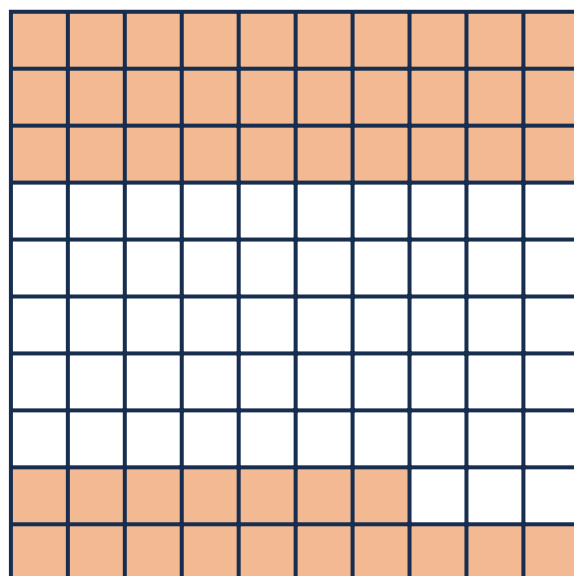
c



62

hundredths

d



47

hundredths



# Writing decimals

Answer sheet

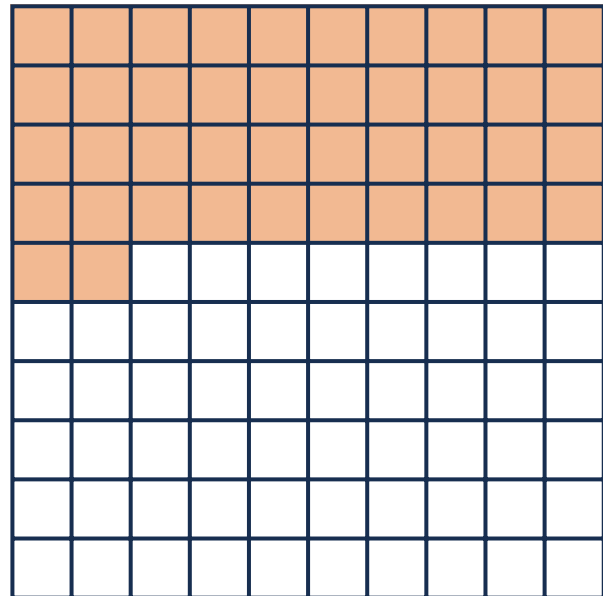
## Question 2

Use this hundred square to help you answer these questions.

**a** 100 hundredths  
make one whole.

**b** 10 tenths  
make one whole.

**c** 10 hundredths make  
1 tenth.



**d** Can you colour in 42 hundredths on the hundred square?

## Question 3

Can you write these numbers in numerals on the place value grids?

**a** Zero point eight seven

T	O	t	h
	0	8	7

**b** Four point zero three

T	O	t	h
	4	0	3

**c** Forty-two point eight

T	O	t	h
4	2	8	

**d** Nineteen point seven five

T	O	t	h
1	9	7	5



# Writing decimals

Answer sheet

## Question 4

**a** Can you solve the number puzzle?

My number is greater than 8,  
but less than 10.

My number has 2 decimal places.

The hundredths number  
is even.

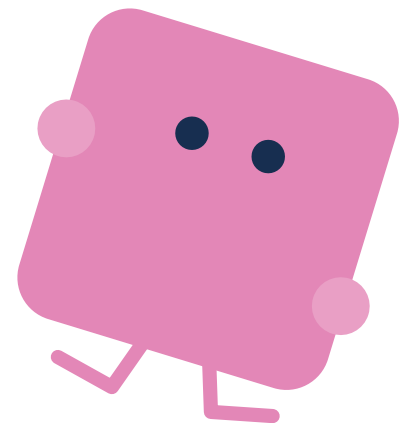
The tenths number is 7.

The ones number is odd.

The hundredths number is  
greater than the tenths number.

What is my number?

9.78



**b** Can you make your own  
number puzzle?

For example:

The ones number is less than 4 and greater than 1.

My number has 2 decimal places.

The tenths number is odd.

The hundredths number is 8.

The tenths number is greater than 6, but less than 9.

The ones number is even.

My number is 2.78



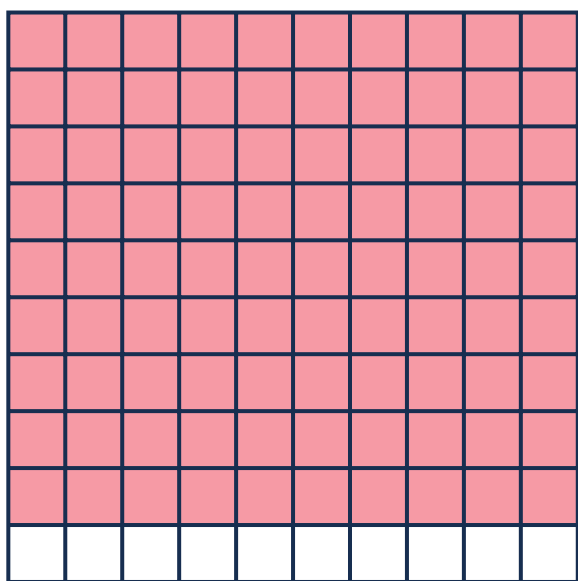
# Decimals within 1

Answer sheet

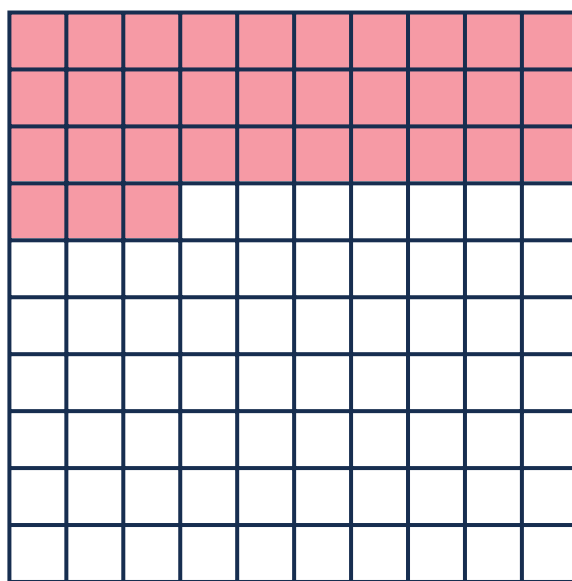
## Question 1

Can you use the hundred squares to answer these decimal additions?  
Colour the hundred squares to show the calculations.

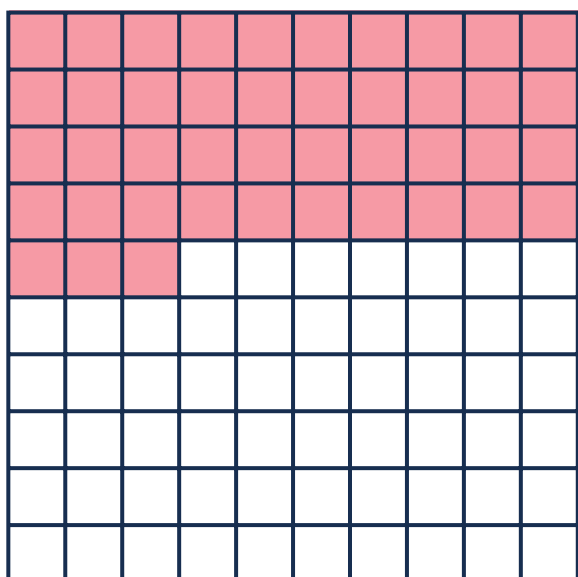
**a**  $0.8 + 0.1 =$  0.9



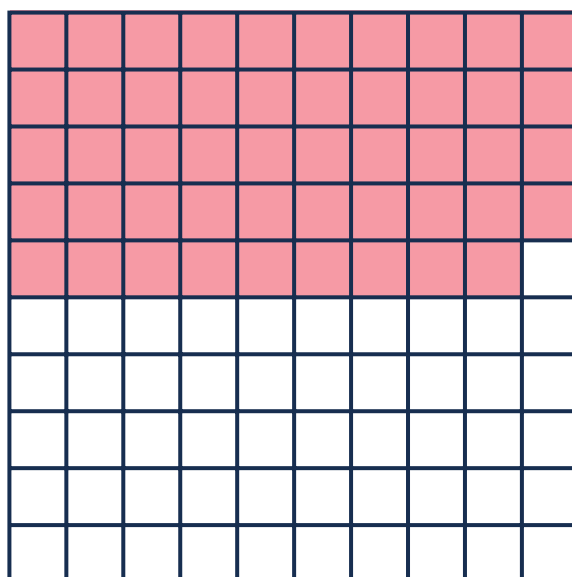
**b**  $0.2 + 0.13 =$  0.33



**c**  $0.03 + 0.4 =$  0.43



**d**  $0.02 + 0.3 + 0.17 =$  0.49



# Decimals within 1

Answer sheet

## Question 2

Can you solve these additions using the column method?

**a**  $0.57 + 0.42 =$  0.99

	0	•	t	h
	0	•	5	7
+	0	•	4	2
<hr style="border: 0.5px solid black;"/>				
	0	•	9	9

**b**  $0.07 + 0.14 =$  0.21

	0	•	t	h
	0	•	0	7
+	0	•	1	4
<hr style="border: 0.5px solid black;"/>				
	0	•	2	1
<hr style="border: 0.5px solid black;"/>				
			1	

**c**  $0.23 + 0.58 =$  0.81

	0	•	t	h
	0	•	2	3
+	0	•	5	8
<hr style="border: 0.5px solid black;"/>				
	0	•	8	1
<hr style="border: 0.5px solid black;"/>				
			1	

**d**  $0.85 + 0.02 =$  0.87

	0	•	t	h
	0	•	8	5
+	0	•	0	2
<hr style="border: 0.5px solid black;"/>				
	0	•	8	7

## Question 3

Can you solve these subtractions using the column method?

**a**  $0.89 - 0.43 =$  0.46

	0	•	t	h
	0	•	8	9
-	0	•	4	3
<hr style="border: 0.5px solid black;"/>				
	0	•	4	6

**b**  $0.46 - 0.05 =$  0.41

	0	•	t	h
	0	•	4	6
-	0	•	0	5
<hr style="border: 0.5px solid black;"/>				
	0	•	4	1



# Decimals within 1

Answer sheet

**c**  $0.64 - 0.26 =$  0.38

	0	•	t	h
	0	•	<sup>5</sup> <del>6</del>	<sup>1</sup> 4
-	0	•	2	6
	0	•	3	8

**d**  $0.21 - 0.05 =$  0.16

	0	•	t	h
	0	•	<sup>1</sup> <del>2</del>	<sup>1</sup> 1
-	0	•	0	5
	0	•	1	6

## Question 4

Can you complete these calculations?

**a**  $0.63 +$  0.37  $= 1$

**b**  $1 =$  0.93  $+ 0.07$

**c**  $1 = 0.25 +$  0.75

**d** e.g. 0.47  $+$  e.g. 0.23  $+ 0.3 = 1$

(Any answers that total 0.7  
across the two boxes are correct)

## Question 5

Can you use the number cards to complete this calculation?

5	4		1	•	2	5
6	8		4	•	6	3
			5	•	8	8

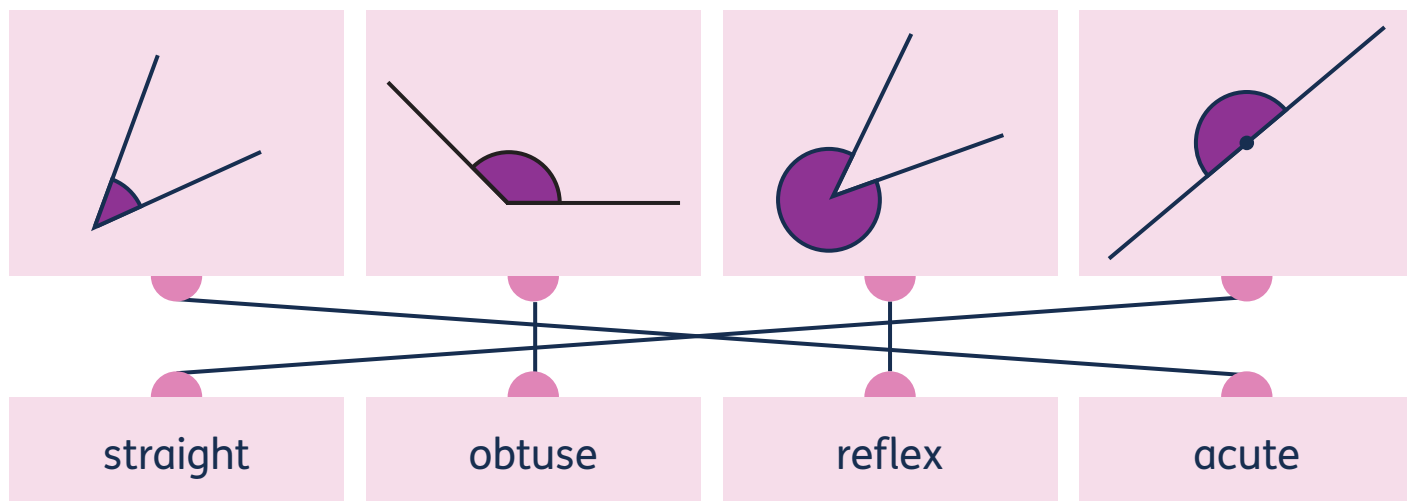


# Recognising and measuring angles

Answer sheet

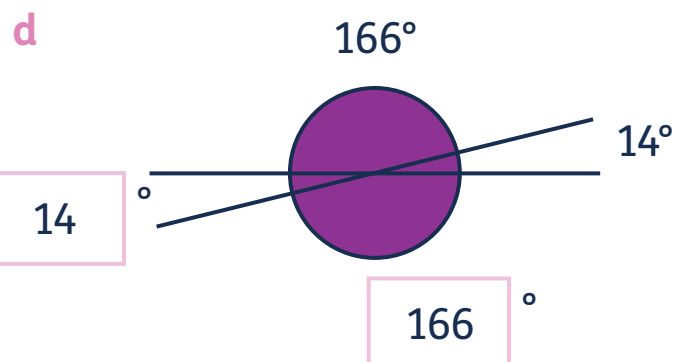
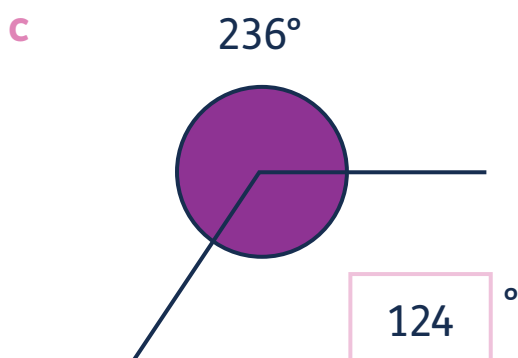
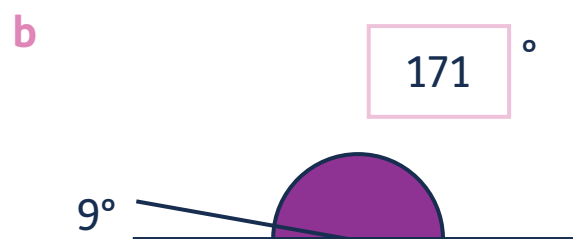
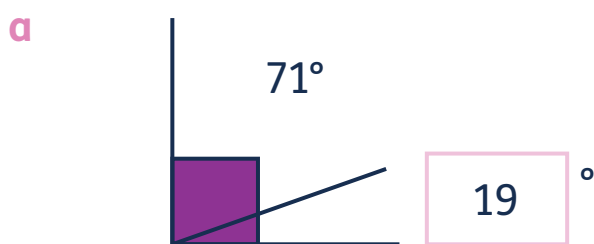
## Question 1

Can you match these angles to their descriptions?



## Question 2

Can you calculate the missing angles?

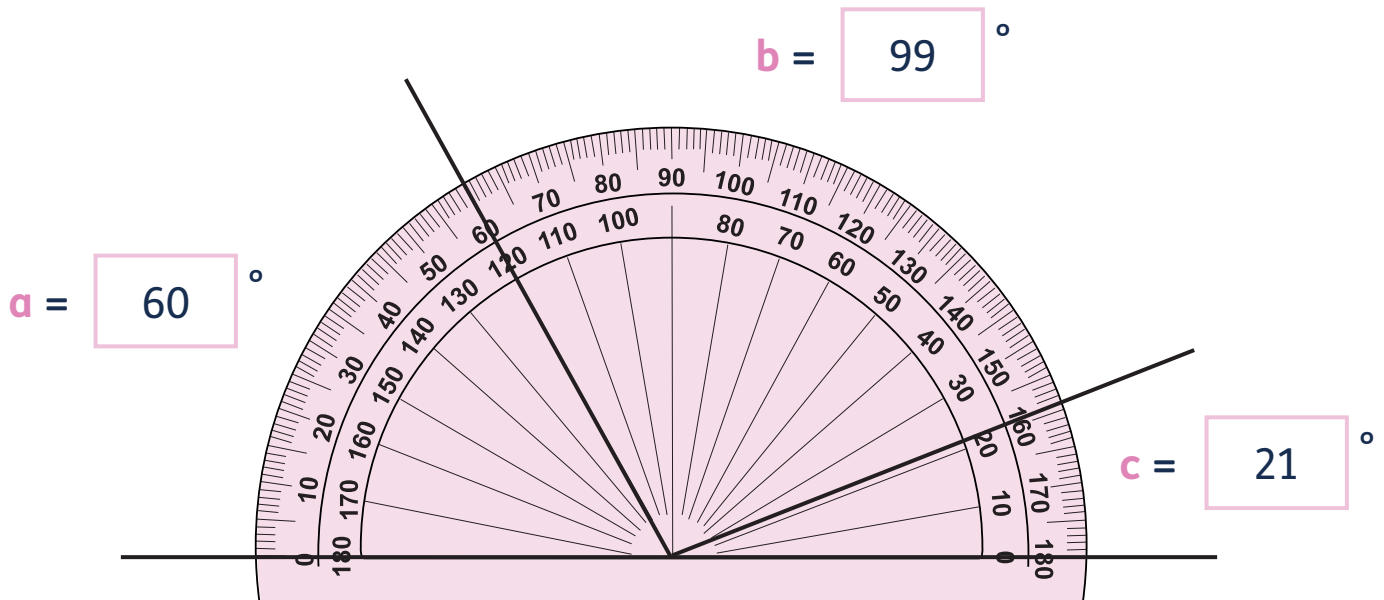


# Recognising and measuring angles

Answer sheet

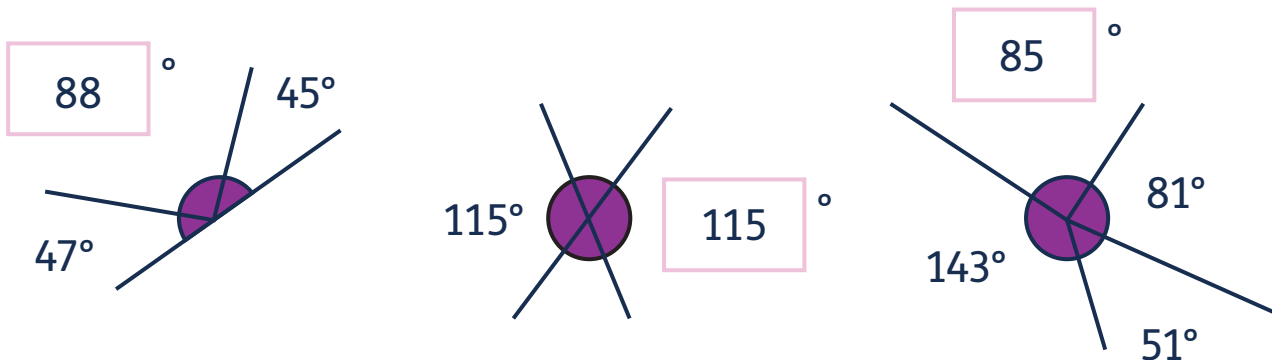
## Question 3

Can you calculate the sizes of the missing angles?

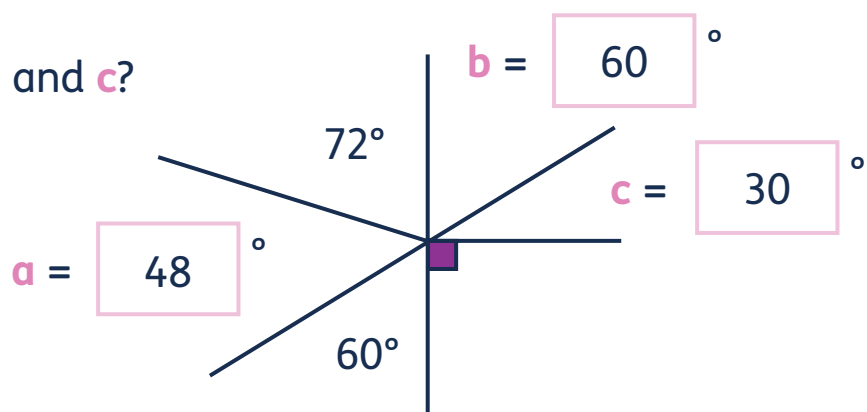


## Question 4

Can you find the missing angles?



## Question 5

Can you find angles  $a$ ,  $b$  and  $c$ ?

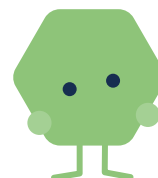
# Angles in shapes

Answer sheet

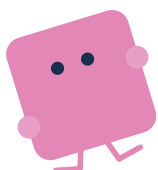
## Question 1

Are these statements always true, sometimes true or never true?  
How do you know?

The angles in a quadrilateral add up to  $540^\circ$ .

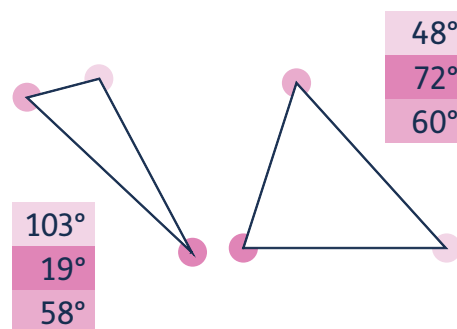


Never true. For example, a quadrilateral can be split into 2 triangles (see Q5 below). The angles in a triangle add up to  $180^\circ$ .  $2 \times 180^\circ = 360^\circ$ . The angles in a quadrilateral add up to  $360^\circ$ .

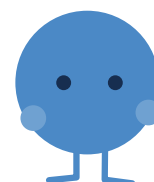


One of the angles in a scalene triangle is obtuse.

Sometimes true. A scalene triangle has all angles different size and all side lengths are different. Some scalene triangles can have one obtuse angle. Some scalene triangles have no obtuse angles. Children might want to draw triangles to prove this.



The angles in a triangle add up to  $180^\circ$ .



Always true. For example, children might want to draw their own triangle, cut out the angles and rearrange them on a straight line. Or they might want to draw a parallel line to the base line of the triangle and use alternate angles to prove this.

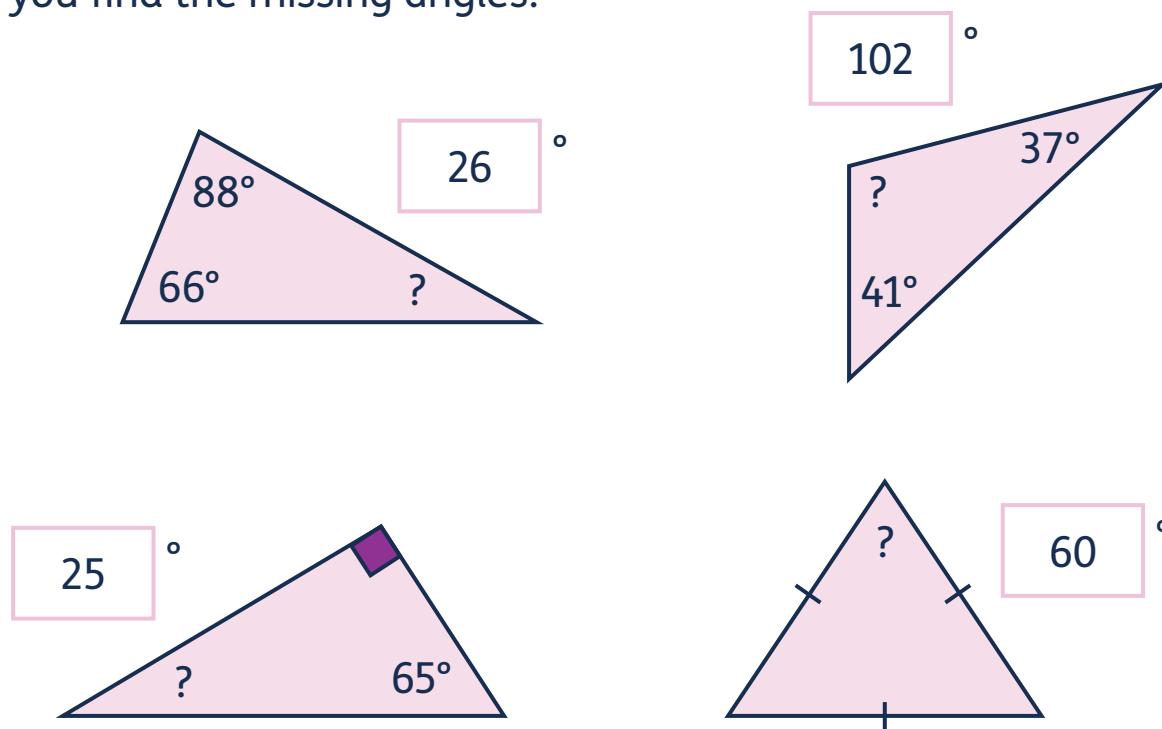


# Angles in shapes

Answer sheet

## Question 2

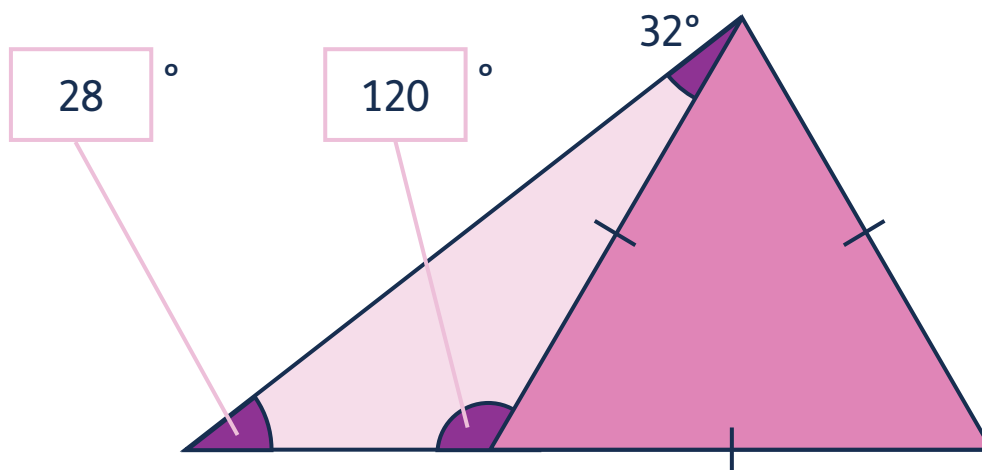
Can you find the missing angles?



Not drawn to scale

## Question 3

Can you calculate the missing angles?



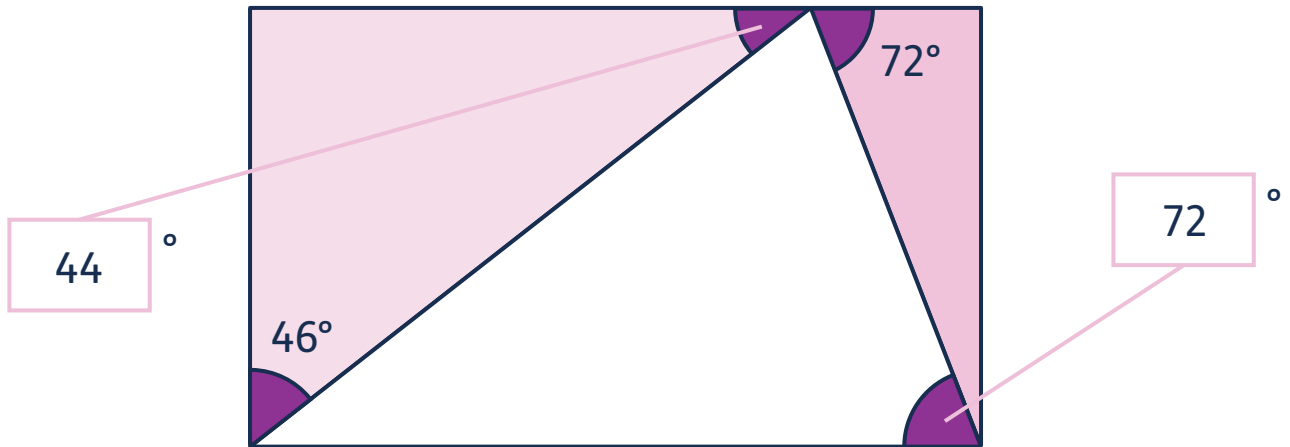
Not drawn to scale

# Angles in shapes

Answer sheet

## Question 4

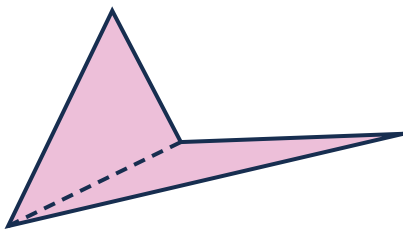
Can you calculate the missing angles?



Not drawn to scale

## Question 5

Can you partition these shapes into triangles and complete these sentences?



This is a **quadrilateral**.

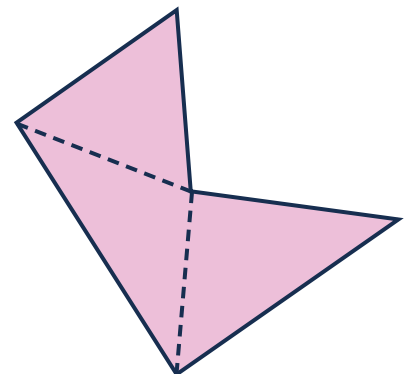
It can be split into **two** triangles.

The interior angles in this shape add up to  **$360^\circ$** .

This is a pentagon.

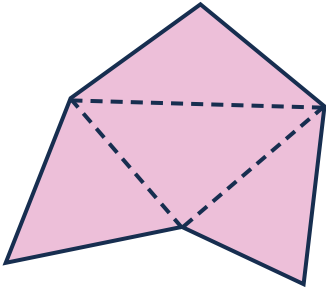
It can be split into three triangles.

The interior angles in this shape add up to  $540^\circ$ .



# Angles in shapes

Answer sheet



This is a hexagon.

It can be split into four triangles.

The interior angles in this shape add up to 720°.

What do you call a shape with 7 sides?

Heptagon

How many triangles can you partition that shape into?

Five

What do the interior angles in this shape add up to?

900°