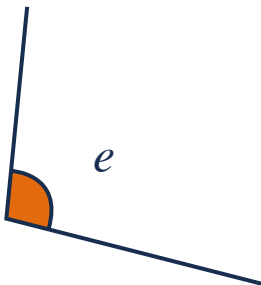
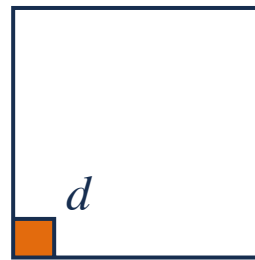
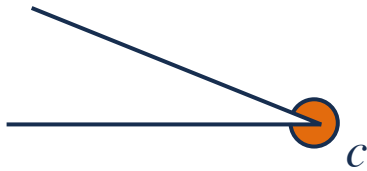
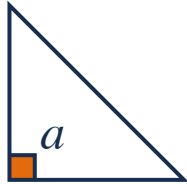


Angles, triangles and quadrilaterals

Question 1

Can you label the angles as either acute, right, obtuse or reflex?



Angles, triangles and quadrilaterals

Question 2

Fill in these number sentences with $<$ $>$ or $=$.

a right angle 90°

b reflex angle obtuse angle

c 359° reflex angle

d $180^\circ - 90^\circ$ 90°

e 27° 127°

f $180^\circ + 92^\circ$ obtuse angle

g 116° right angle

h $180^\circ - 96^\circ$ acute angle

Can you make two more number sentences using $<$, $>$, $=$, and angles?

i

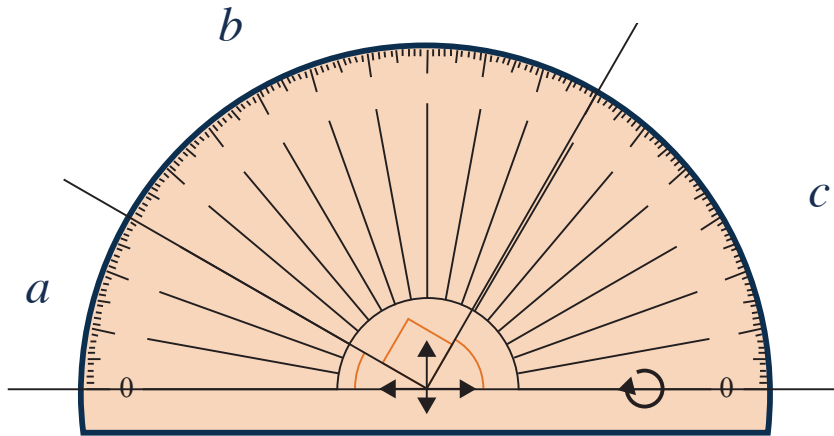
j



Angles, triangles and quadrilaterals

Question 3

Here are three angles on a protractor.



a Can you list them in order from smallest to largest?

$$\square < \square < \square$$

b What is the size of angle b ?

Question 4

Here are some angles:

17° 23° 67° 75° 88° 90° 92°

a Which **three** angles add up to 180° ?

b Which **two** angles combine to make a right angle?

c Which angle is obtuse?

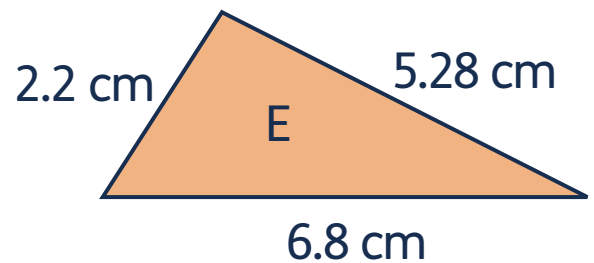
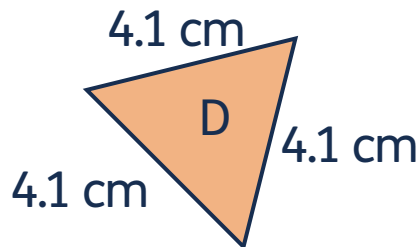
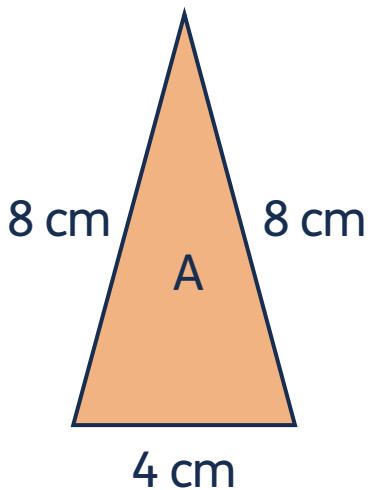
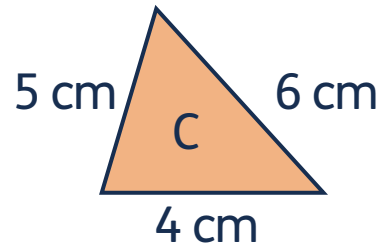
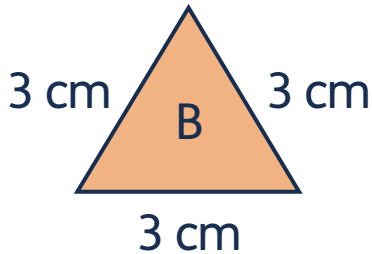


Angles, triangles and quadrilaterals

Question 5

Here are some triangles.

Not drawn to scale



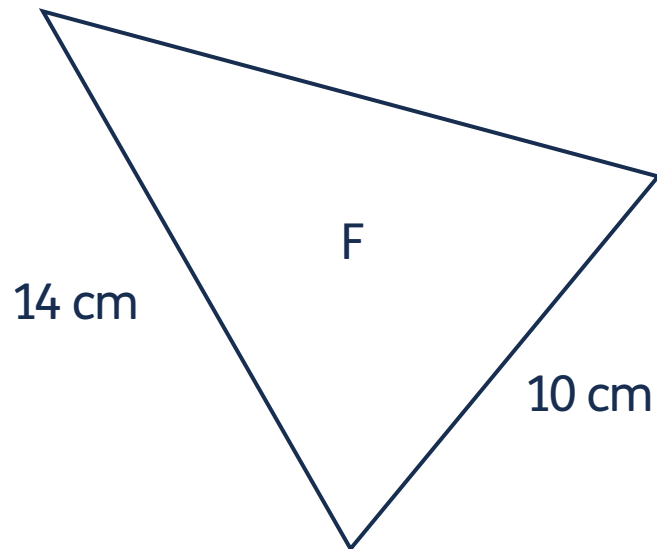
Fill in the table with their names (scalene, isosceles or equilateral), and find their perimeters.

Triangle	Triangle type	Triangle perimeter
A		
B		
C		
D		
E		



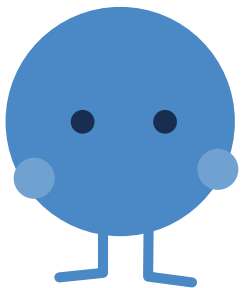
Angles, triangles and quadrilaterals

Triangle F is isosceles. What is its perimeter?

 cm

Question 6

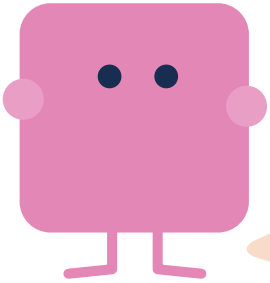
Name that triangle based on the description.



A triangle has 3 sides, all 2 cm long. What kind of triangle is it?



Angles, triangles and quadrilaterals



A triangle has a perimeter of 12 cm. One of its sides is 2 cm long. Another of its sides is 5 cm long.

What kind of triangle is it?



A triangle has a perimeter of 12 cm and one side is 7 cm long. The other side lengths are whole numbers. What kind of triangle is it?



A triangle has a perimeter of 24 cm. Two of its sides are 8 cm long. What kind of triangle is it?

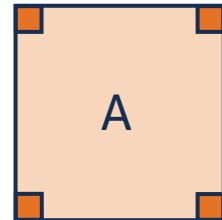


Angles, triangles and quadrilaterals

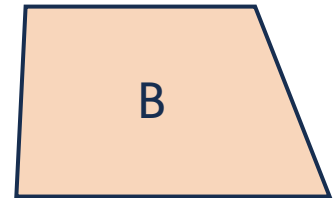
Question 7

Can you match the descriptions to the shapes to which they apply?

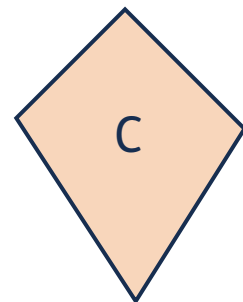
This shape has two pairs of equal adjacent sides.



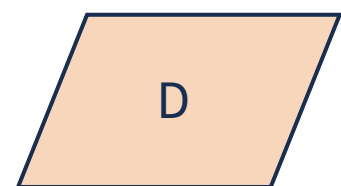
Opposite sides of this shape are equal, but not adjacent sides.



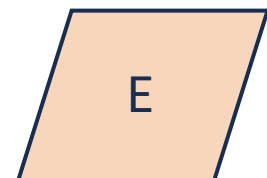
All the shape's sides are equal.



This shape has exactly one pair of parallel sides.



Adjacent sides of this shape are equal, but not opposite sides.



This shape has no equal sides.



Angles, triangles and quadrilaterals

Question 8

- a** Write the name of one 2D quadrilateral in each section of the grid.

	Four right angles	Fewer than four right angles
All sides the same length		
Not all sides the same length		

- b** Can you think of any other 2D quadrilaterals that have fewer than four right angles and that have sides of different lengths?

