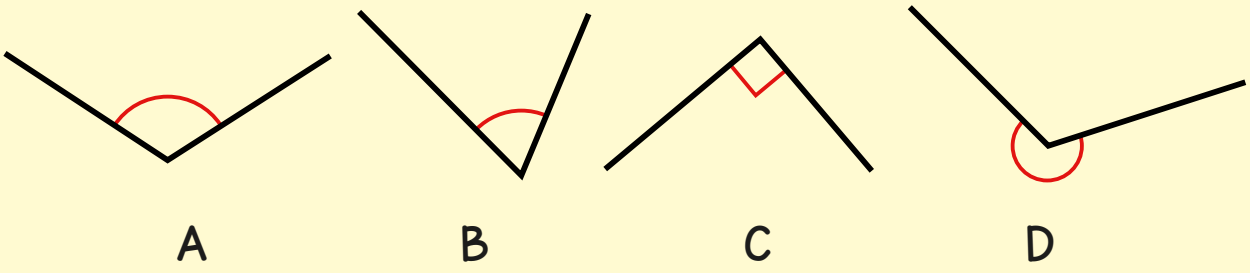
6 PROPERTIES OF SHAPE

From White Rose Maths schemes for Year 6 Summer Term

BLOCK 1 - PROPERTIES OF SHAPE

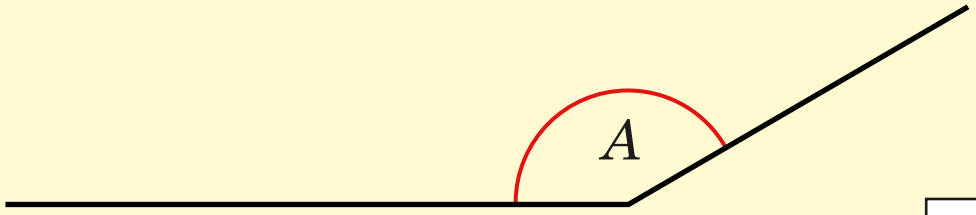
1 Sort the angles into the table.



A B C D

Acute	Right angle	Obtuse	Reflex

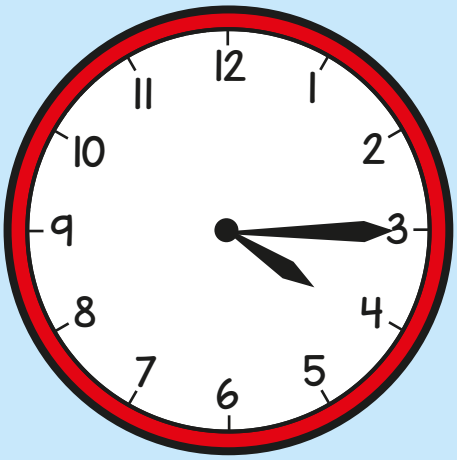
2 Measure the size of angle A.



°

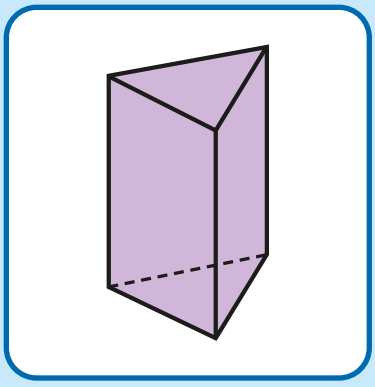
Is your answer sensible? Explain why.

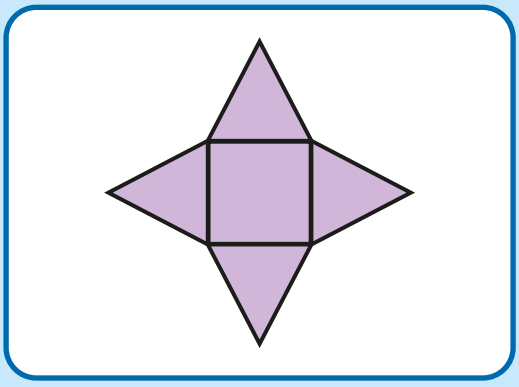
3 How many degrees does the minute hand move in 15 minutes?

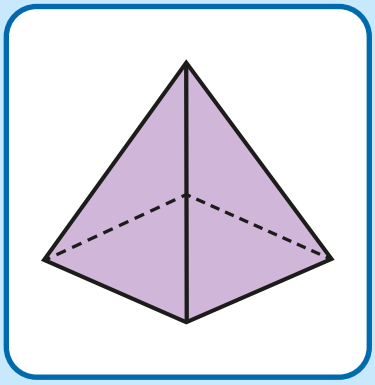


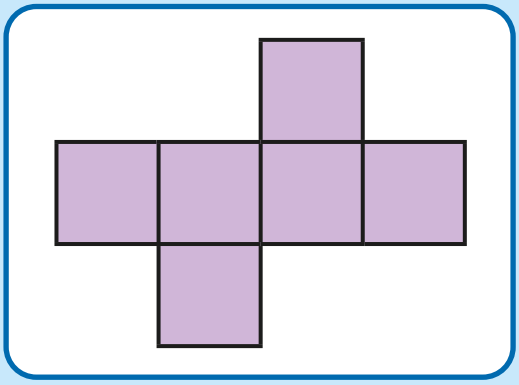
□ °

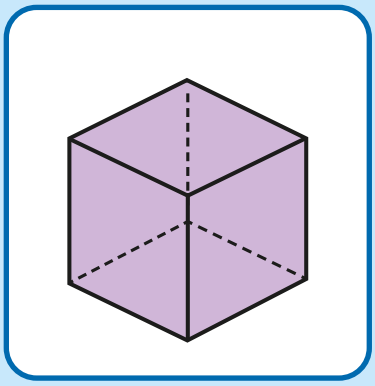
4 Match the 3D shapes to the correct net.

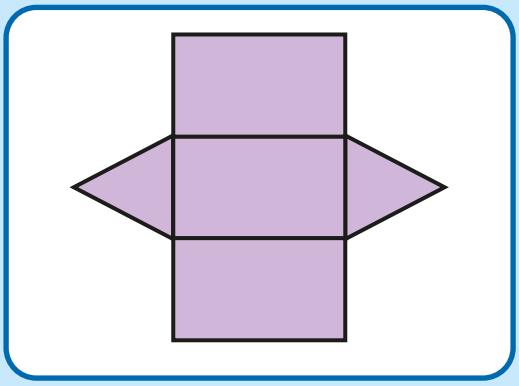




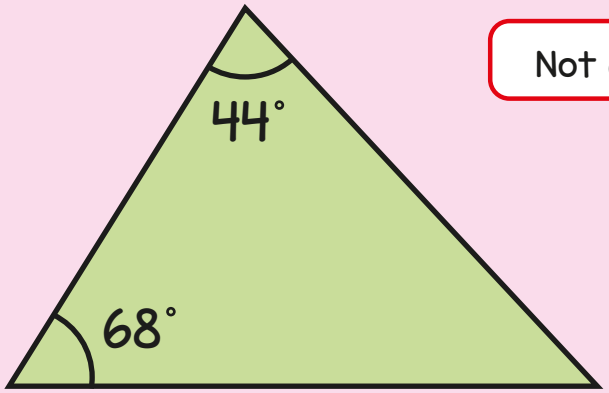








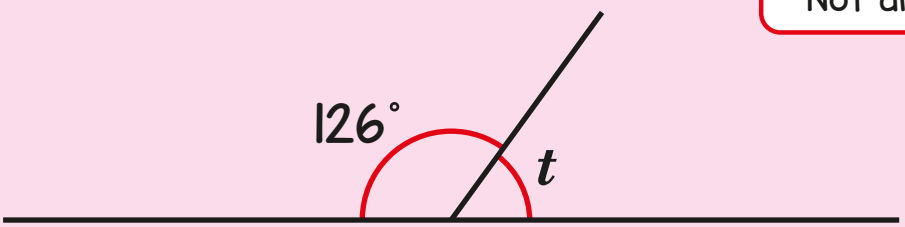
5 Calculate the missing angle in the triangle.



Not drawn to scale.

What type of triangle is this? _____

6 Calculate the size of angle t.

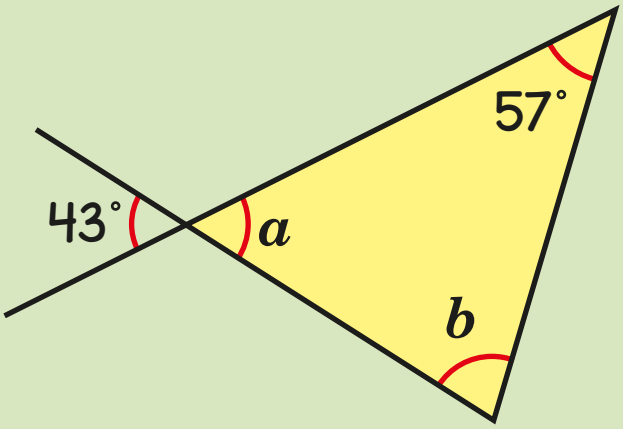


Not drawn to scale.

7 On the grid, draw a pentagon that has **more** than two right angles.

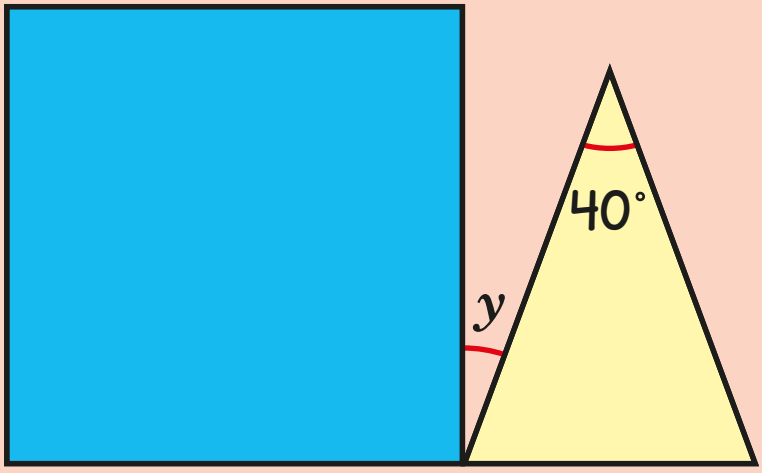
8 Calculate the unknown angles in the triangle.

Not drawn to scale.



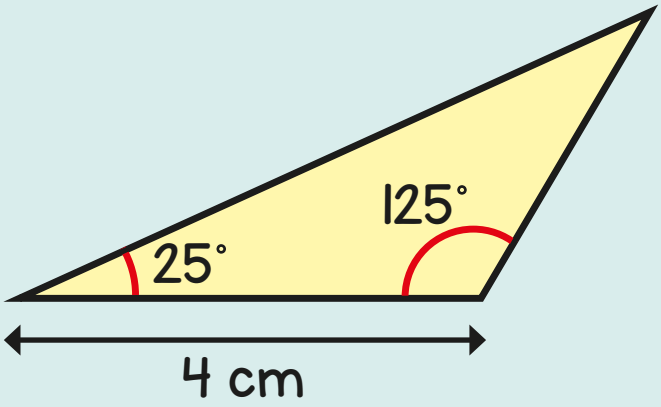
9 The diagram shows a square and an isosceles triangle.

Not drawn to scale.



Calculate the size of angle y.

10 Using a ruler and protractor, draw the triangle accurately.



Answers

1

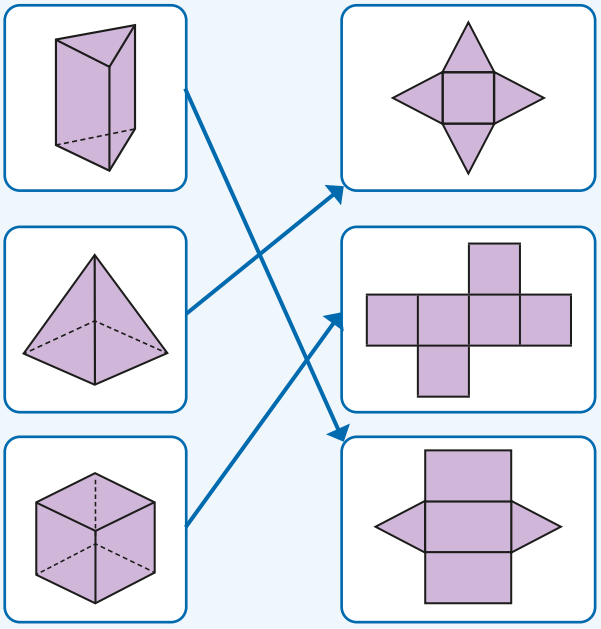
Acute	Right angle	Obtuse	Reflex
B	C	A	D

2 150°

Yes, because it is an obtuse angle.

3 90°

4

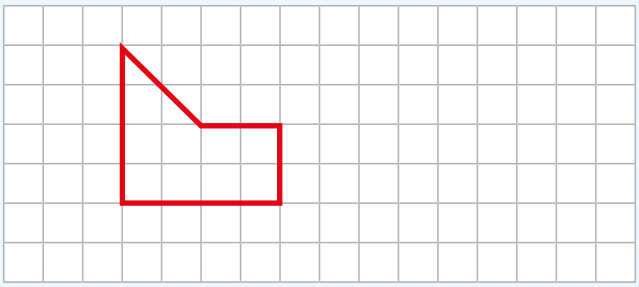


5 68°

isosceles

6 t = 54°

7 Drawing of pentagon with three right angles, for example:



8 $a = 43^\circ$

$b = 80^\circ$

9 $y = 20^\circ$

10 The triangle has been drawn accurately. It should look like this (not drawn to scale).