ANGLES
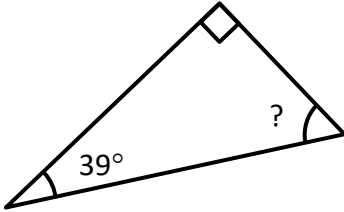
Name:

<u>BAM Indicator:</u> Solve missing angle problems involving triangles, quadrilaterals, angles at a point and angles on a straight line
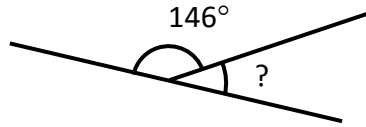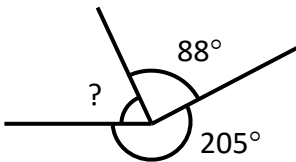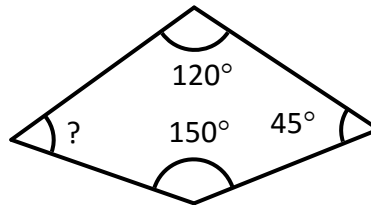
---

1. Find the missing angle (?) in each diagram

F

a)

39°

?

? = _____°

b)

146°

?

? = _____°

c)

88°

?

205°

? = _____°

d)

120°

?   150°   45°

? = _____°

2. Here is a diagram of a bike frame. Find the size of the angles labelled *a* and *b*.
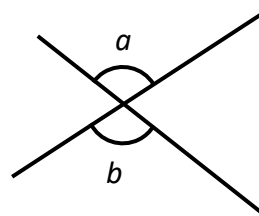
A

120°
110°

75°

48°

a°

b°

62°

a = _____

b = _____
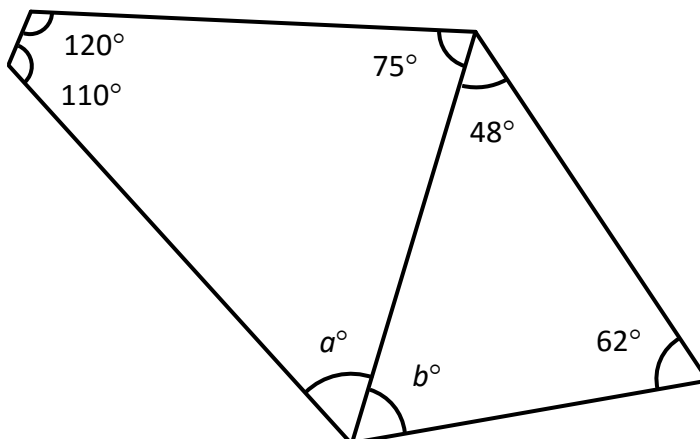
3. An isosceles triangle has an angle of 30°. What could the size of the other two angles be?

P

_____° and _____°

4. Look at the diagram on the right.

R
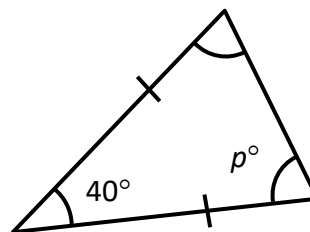
Is the following statement always true, sometimes true, or never true? Explain your answer.

$$a + b = 180°$$

5. Look at the diagram on the right.

M

Jan thinks that $p = 40$. Do you agree? Explain your answer.

Overall, I think my success level is:

Low   High

○ ○ ○ ○

F = Fluency   R = Reasoning   P = Problem-solving   A = Application   M = Misconception

Q	ANGLES	☺	☹
	I can calculate a missing angle at a point on a straight line		
	I can calculate a missing angle at a point		
	I can calculate a missing angle in a triangle		
	I can calculate a missing angle in a quadrilateral		
	I can calculate a missing angle in an isosceles triangle		

Improvements I could make:

Mathematical presentation	Method	Accuracy	Units