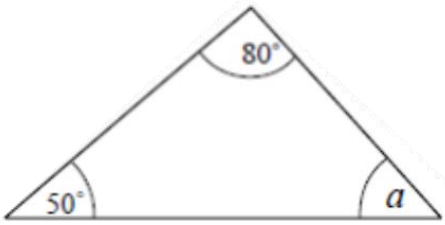
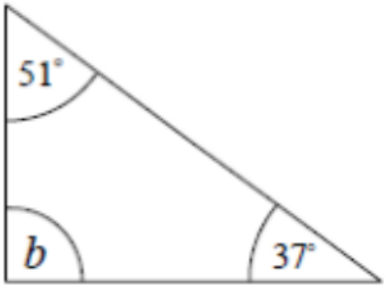
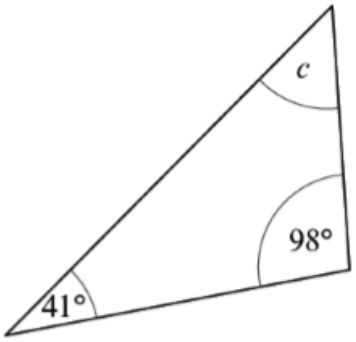
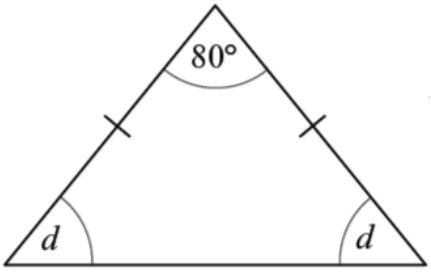
Group A – Maths
W/b 22.02.21

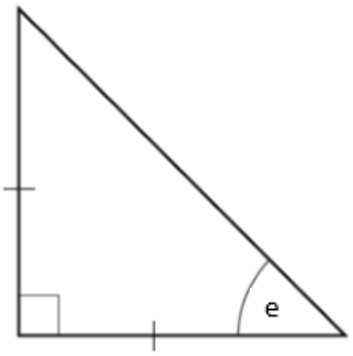
MONDAY - Can I calculate missing angles in triangles and quadrilaterals?

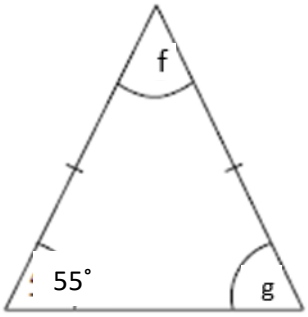


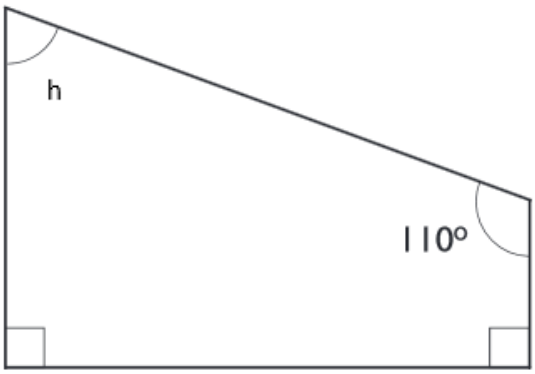


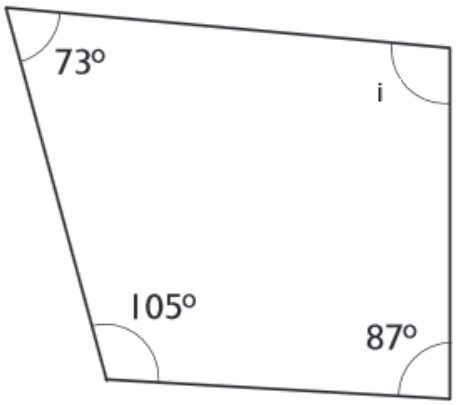








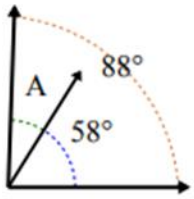




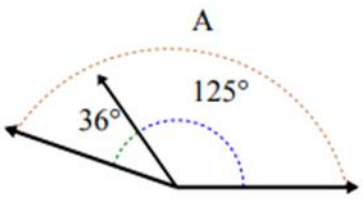
TUESDAY - Can I accurately calculate angles on a straight line?

Challenge 1

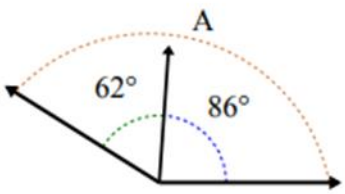
1)



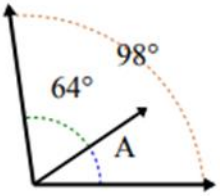
2)



3)

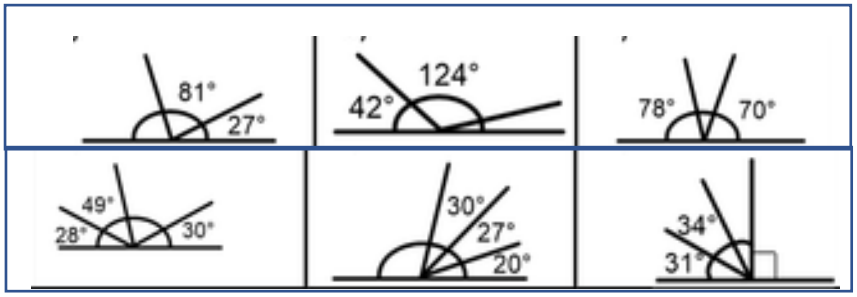


4)



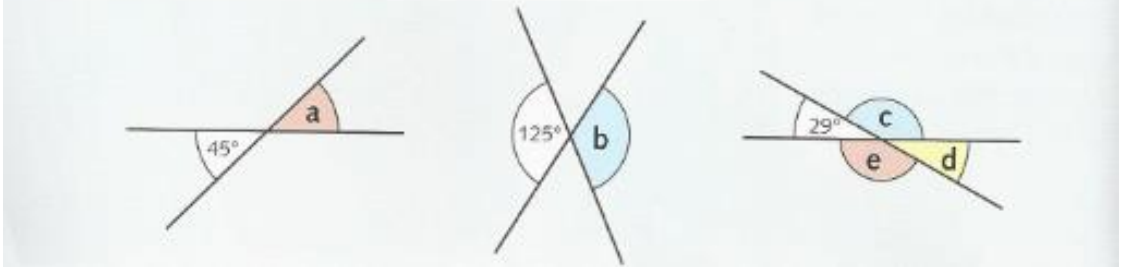
Challenge 2

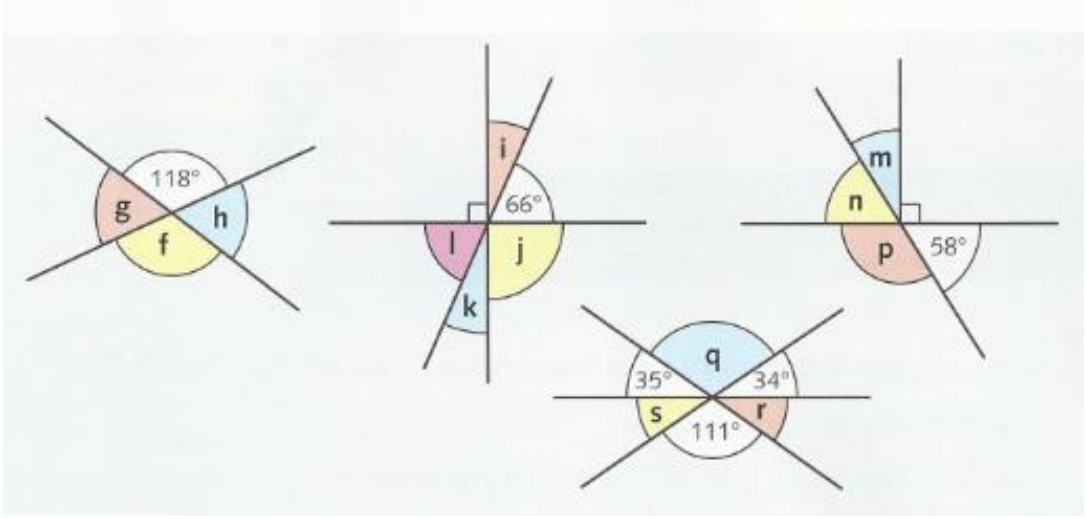
a) Calculate the missing angles.



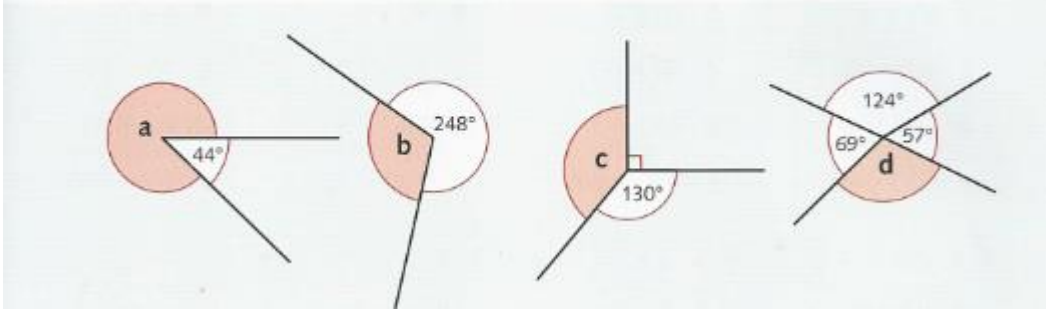
WEDNESDAY - Can I calculate angles around a point?

1 Calculate the size of each coloured angle, **a** to **s**.

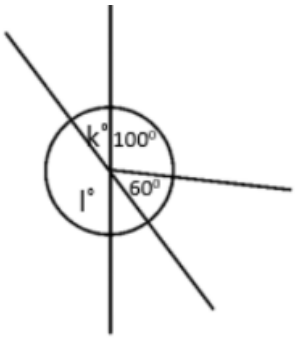


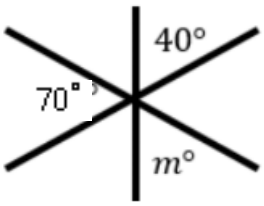


2 Name and calculate the size of each shaded angle that meets at a point.



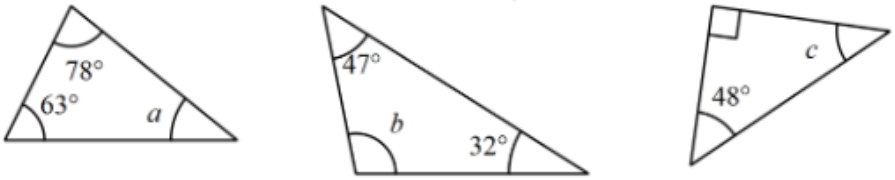
3





THURSDAY - Can I solve problems involving angles?

1.



2. Tick the angles that make a straight line.

- 45° and 135 °
- 110 ° and 60 °
- 50 °, 60 ° and 70 °
- 115 °, 12 ° and 53 °

3.

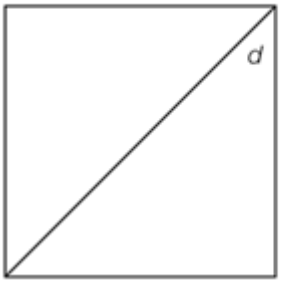
True or False?

A triangle can never have 3 acute angles.

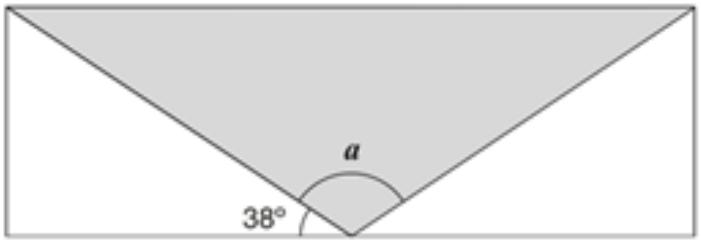
4. The angles marked *a* are all equal.

What is the size of *a*?

5. Calculate the angle marked *d* in this square.



6. A shaded **isosceles** triangle is drawn inside a rectangle.



Not to scale

Calculate the size of angle *a*.

ANSWERS

MONDAY

a) 50˚ b) 92˚ c) 41˚ d) 50˚ e) 45˚ f) 70˚ g) 55˚

h) 70 ˚ i) 95 ˚

TUESDAY

Challenge 1

1) 30 ˚ 2) 161 ˚ 3) 148 ˚ 4) 34 ˚

Challenge 2

72 ˚ 14 ˚ 32 ˚

73 ˚ 103 ˚ 25 ˚

WEDNESDAY

1

a) 45 ˚ b) 125 ˚ c) 151 ˚ d)29 ˚ e) 151 ˚ f) 118 ˚

g&h) 62 ˚ i) 24 ˚ j) 90 ˚ k) 24 ˚ l) 66 ˚ m) 32 ˚

n) 58 ˚ p) 122 ˚ q) 111 ˚ r) 35 ˚ s) 34 ˚

2

a) 316 ˚ b) 248 ˚ c) 140 ˚ d) 110 ˚

3

20 ˚ & 160 ˚

m= 60 ˚

THURSDAY

1

a) 39 ˚ b) 101 ˚ c) 42 ˚

2

1,3 & 4 are correct

3 = False

4 = 22.5 ˚

5= 45 ˚

6 = 104 ˚