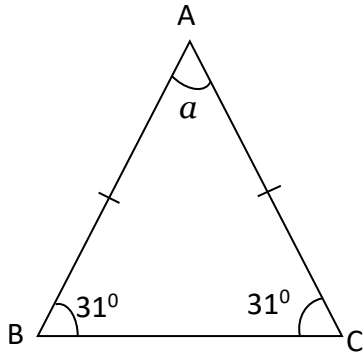


## MATHS WORKSHEETS- GEOMETRY- ISOSCELES AND EQUILATERAL TRIANGLES- FIND THE UNKNOWN ANGLES

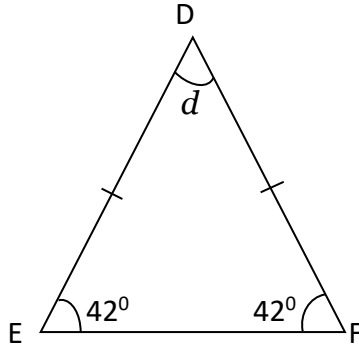
Find the unknown angle measures.

1.



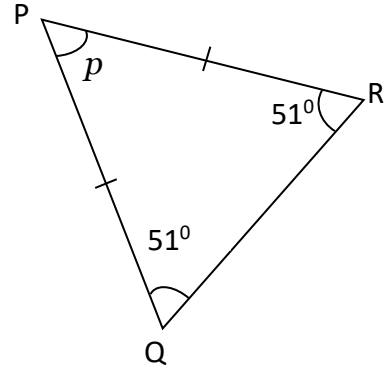
Answer:

2.



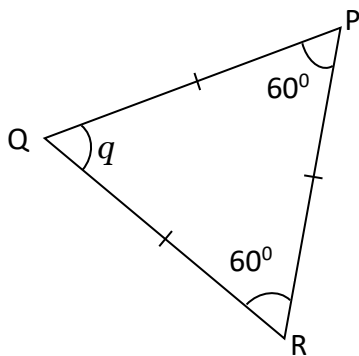
Answer:

3.



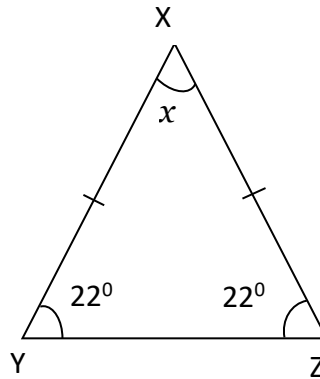
Answer:

4.



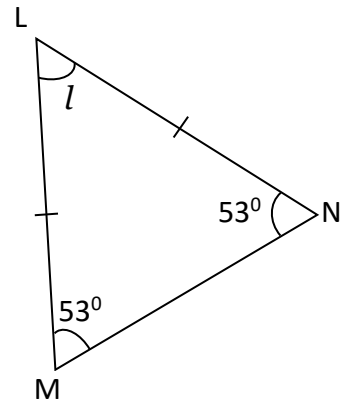
Answer:

5.



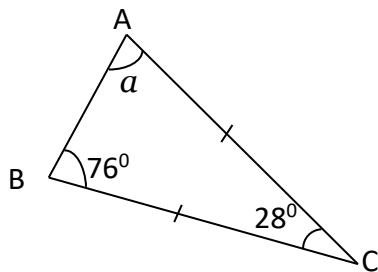
Answer:

6.



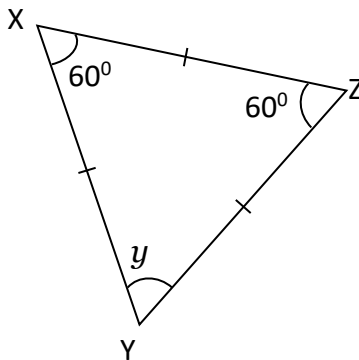
Answer:

7.



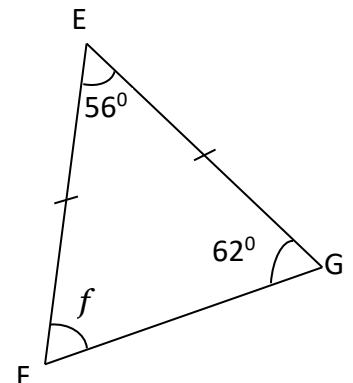
Answer:

8.



Answer:

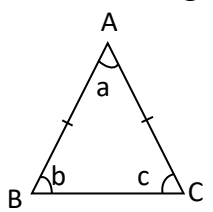
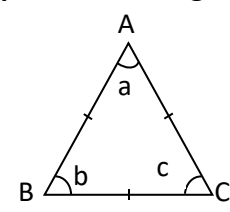
9.



Answer:

## MATHS WORKSHEETS- GEOMETRY- ISOSCELES AND EQUILATERAL TRIANGLES- FIND THE UNKNOWN ANGLES

**Answer Key:**

Isosceles triangle	Equilateral triangle
	
<p><math>\angle b = \angle c</math>  <math>AB = AC</math></p> <ul style="list-style-type: none"> <li>• 2 sides are equal</li> <li>• Angles opposite the equal sides are equal</li> <li>• <math>\angle a + \angle b + \angle c = 180^\circ</math></li> </ul>	<p><math>AB = BC = CA</math>  <math>\angle a = \angle b = \angle c = 60^\circ</math></p> <ul style="list-style-type: none"> <li>• 3 sides are equal</li> <li>• Each angle is <math>60^\circ</math></li> <li>• <math>\angle a + \angle b + \angle c = 180^\circ</math></li> </ul>

1.  $\angle a = 180 - (31 + 31) = 118^\circ$ . Isosceles Triangle
2.  $\angle d = 180 - (42 + 42) = 96^\circ$ . Isosceles Triangle
3.  $\angle p = 180 - (51 + 51) = 78^\circ$ . Isosceles Triangle
4.  $\angle q = 60^\circ$ . Equilateral Triangle
5.  $\angle x = 180 - (22 + 22) = 136^\circ$ . Isosceles Triangle
6.  $\angle l = 180 - (53 + 53) = 74^\circ$ . Isosceles Triangle
7.  $\angle a = 180 - (76 + 28) = 76^\circ$ . Isosceles Triangle
8.  $\angle y = 60^\circ$ . Equilateral Triangle
9.  $\angle f = 180 - (56 + 62) = 62^\circ$ . Isosceles Triangle