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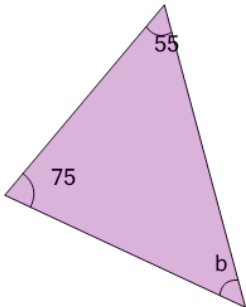
Math worksheet on *'Rule for a Missing Angle on the Triangle (Level 1)'*. Part of a broader unit on *'Geometry - Isosceles and Equilateral Triangles'*

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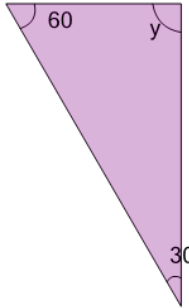app.mobius.academy/math/units/geometry_triangles_isosceles_equilateral_intro/

**1**

What is known about the angles labelled 60, 30, y

| | |
|---|---|
| **a** | 60 is half 30 |
| **b** | 60, 30, and y add up to |
| **c** | y and 30 add to 60 |
| **d** | 60, 30, and y add up to |
| **e** | 60 and 30 add to twice |
| **f** | 60 is the same as 30 |

**2**

What is known about the angles labelled 55, 75, b

| | |
|---|---|
| **a** | 55, 75, and b add up to |
| **b** | 55, 75, and b add up to |
| **c** | 55 is the same as 75 |
| **d** | b and 75 add to 55 |
| **e** | 55 is half 75 |
| **f** | 55 and 75 add to twice |
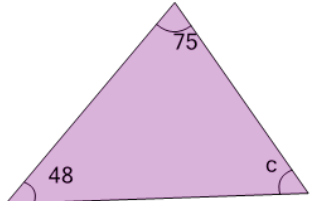
**3**

What is known about the angles labelled 40, 70, b

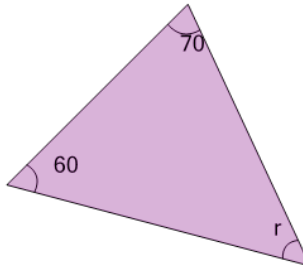| | |
|---|---|
| **a** | 40, 70, and b add up to |
| **b** | 40, 70, and b add up to |
| **c** | 40, 70, and b add up to |
| **d** | 40 is half 70 |
| **e** | 40 is the same as 70 |
| **f** | Nothing, 40, 70, and b are not related by any geometry rule |

**4**

What is known about the angles labelled 75, 48, c

| | |
|---|---|
| **a** | 75, 48, and c add up to |
| **b** | Nothing, 75, 48, and c are not related by any geometry rule |
| **c** | 75, 48, and c add up to |
| **d** | 75 and 48 add to twice |
| **e** | 75, 48, and c add up to |
| **f** | 75 and 48 add to c |
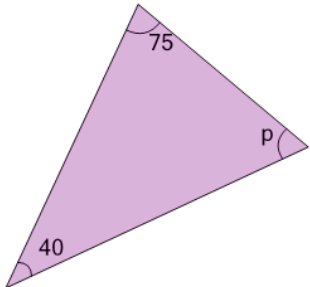
**5**

What is known about the angles labelled 70, 60, r

| | |
|---|---|
| **a** | 70, 60, and r add up to |
| **b** | 70, 60, and r add up to |
| **c** | 70 is half 60 |
| **d** | 70, 60, and r add up to |
| **e** | 70 and 60 add to twice r |
| **f** | 70 and 60 add to r |
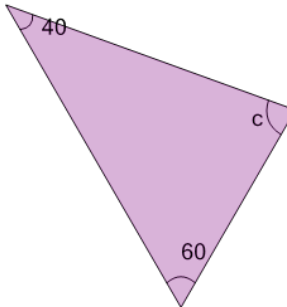
**6**

What is known about the angles labelled 75, 40, p

| | |
|---|---|
| **a** | 75 is the same as 40 |
| **b** | 75, 40, and p add up to |
| **c** | 75, 40, and p add up to |
| **d** | 75, 40, and p add up to |
| **e** | Nothing, 75, 40, and p are not related by any geometry rule |
| **f** | p and 40 add to 75 |

**7**

What is known about the angles labelled 40, 60, c

| | |
|---|---|
| **a** | 40 and 60 add to c |
| **b** | Nothing, 40, 60, and c are not related by any geometry rule |
| **c** | 40, 60, and c add up to |
| **d** | 40, 60, and c add up to |
| **e** | 40 and 60 add to twice |
| **f** | 40 is the same as 60 |