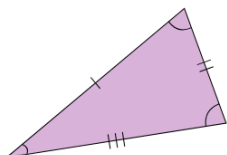


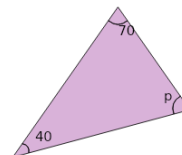
Apply the triangle angle-sum relationship

1

What would the sum of the inside angles on this shape be?

A 240° B 150° C 360° D 60° E 180° F 90° **2**

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



A 70 is the same as 40

B 70 and 40 add to twice p

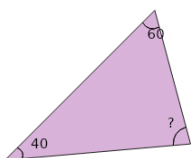
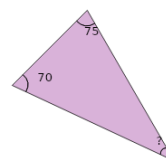
C 70 and 40 add to p

D Nothing, 70, 40, and p are not related by any geometry rule

E 70 is half 40

F 70, 40, and p add up to 180° **3**

Find the equation that will help you calculate the missing angle of the triangle

A $60 + 40 + ? = 360$ B $60 + 40 + ? = 180$ C $60 + 40 + ? = 90$ D $2(60 + 40 + ?) = 180$ E $60 - 40 - ? = 360$ **4**Find the missing angle of the triangle given that the interior angles must add up to 180° 

A 35

B 30

C 20

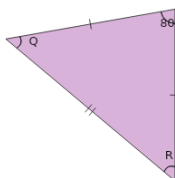
D 5

E 10

F 65

5

What do we know about angle 'R'?



A 45

B 90

C 55

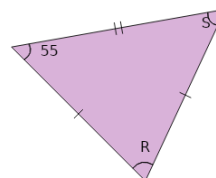
D 50

E Unable to answer

F 70

6

What do we know about angle 'R'?



A Unable to answer

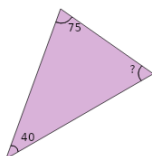
B 70

C 45

D 55

E 60

F 50

7Find the missing angle of the triangle given that the interior angles must add up to 180° 

A 90

B 75

C 80

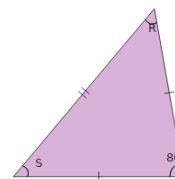
D 65

E 55

F 50

8

What do we know about angle 'S'?



A 45

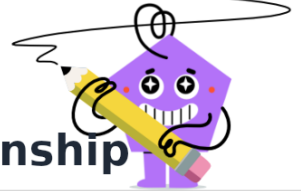
B 60

C 55

D 50

E 90

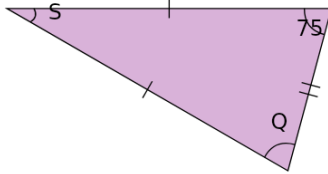
F 70



Apply the triangle angle-sum relationship

9

What do we know about angle 'Q'?



- | | | |
|------|------|--------------------|
| A 60 | B 75 | C Unable to answer |
| D 55 | E 70 | F 45 |

10

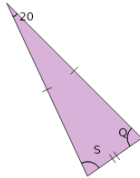
Find the missing angle of the triangle



- | | | |
|-------|-------|-------|
| A 110 | B 90 | C 100 |
| D 70 | E 120 | F 80 |

11

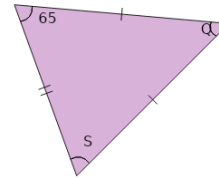
What do we know about angle 'S'?



- | | | |
|------|------|--------------------|
| A 80 | B 20 | C 60 |
| D 50 | E 70 | F Unable to answer |

12

What do we know about angle 'S'?



- | | | |
|------|------|------|
| A 50 | B 60 | C 55 |
| D 65 | E 90 | F 70 |