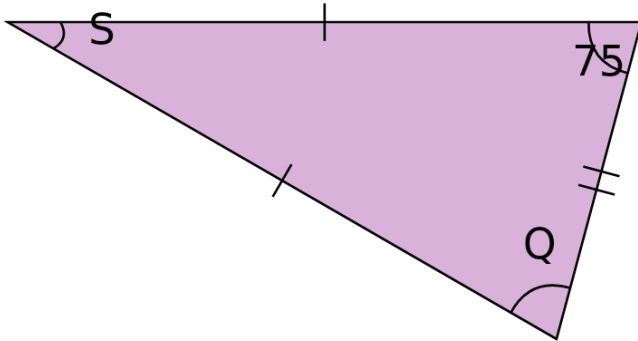




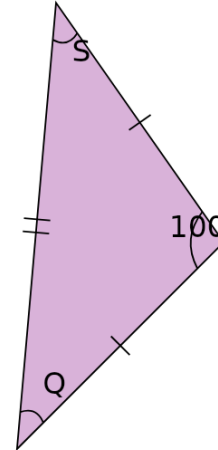
Geometry and Angle Relationships

1 What do we know about angle 'Q'?



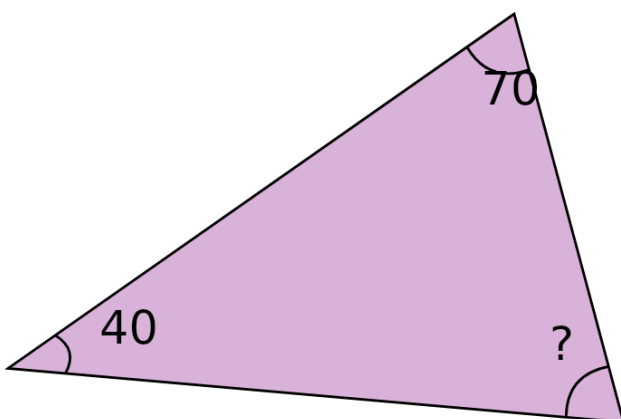
A 70	B 55	C 60
D Unable to answer	E 45	F 75

2 What do we know about angle 'S'?



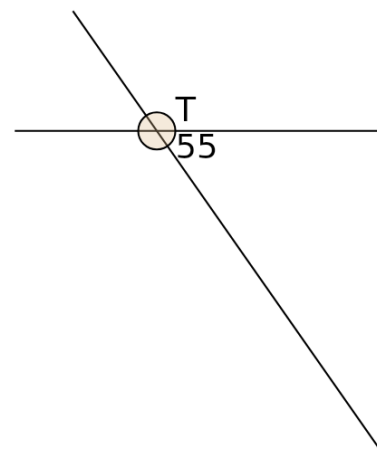
A 90	B 60	C 50
D 45	E 100	F 40

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



A 60	B 70	C 90
D 50	E 40	

4 What do we know about angle 'T'?

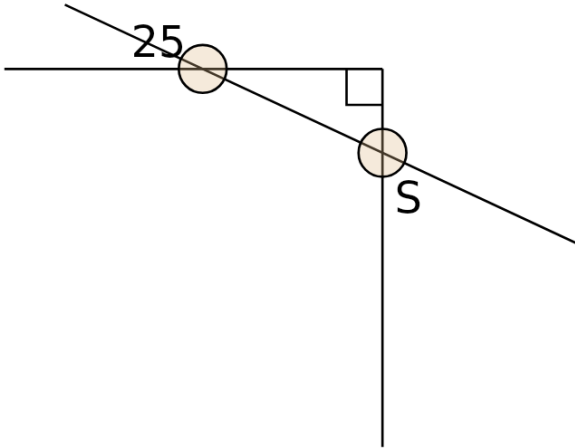


A 125	B 145	C 55
D 90	E 60	F 45



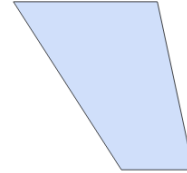
Geometry and Angle Relationships

5 What do we know about angle 'S'?



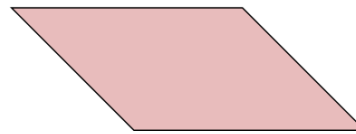
A 65	B 155	C 45
D 90	E 115	F 25

6 Name the type of shape



A Parallelogram	B Trapezoid	C Square
D Rectangle	E Kite	F Rhombus

7 Is this shape a Circle (a line that is always the same distance from a center point)?



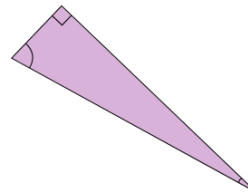
A Yes
B No

8 What shape is this object?



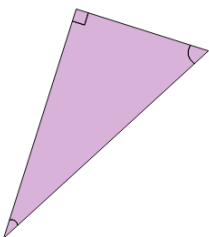
A Square	B Parallelogram	C Rectangle
D Right Triangle	E Kite	F Circle

9 Name the type of triangle based on its angles: Acute = all angles less than 90° , Right = one right angle, Obtuse = one angle more than 90°



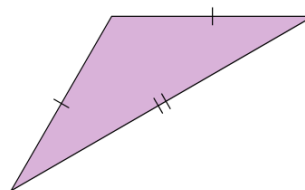
A obtuse triangle
B acute triangle
C right triangle

10 Choose the right description of the triangle based on its angles



A One angle equal to 90°
B All angles are less than 90°
C One angle is more than 90°

11 Name the type of triangle based on its sides: Equilateral = 3 identical sides, Isosceles = 2 identical sides, Scalene = all different sides.



A equilateral
B scalene
C isosceles

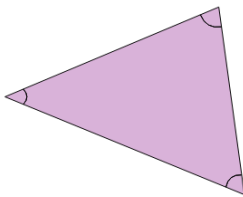


Geometry and Angle Relationships

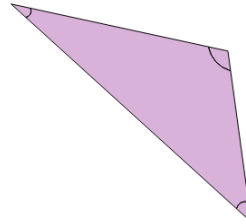
12 Choose the image of the type of triangle based on its name: Acute = all angles less than 90°

acute triangle

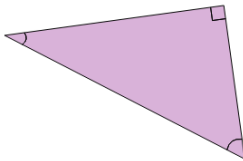
A



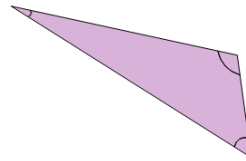
B



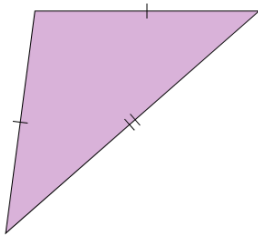
C



D



13 Choose the right description of the triangle based on its sides

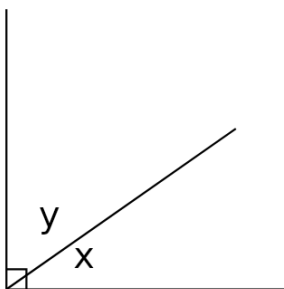


A All sides are the same length

B All sides are a different length

C Two sides are the same length and one is different

15 What is the name for this pair of angles?

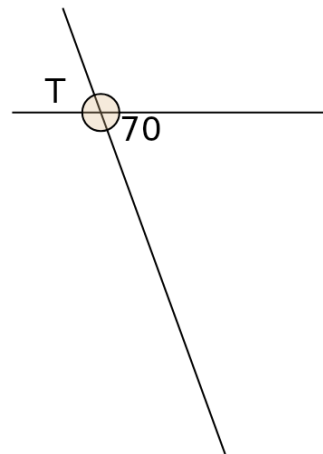


A supplementary

B complementary

C opposite

14 What do we know about angle 'T'?



A

70

B

60

C

20

D

45

E

90

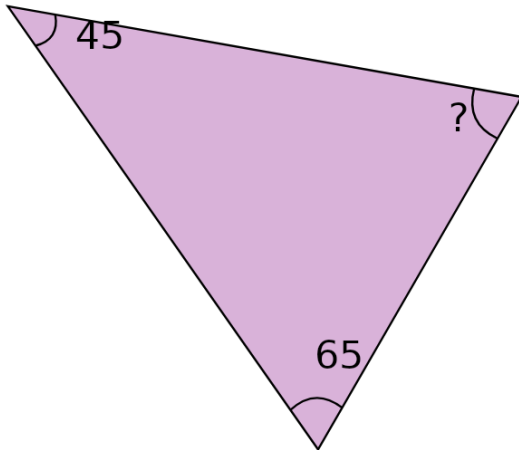
F

110



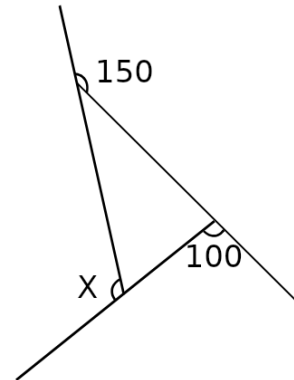
Geometry and Angle Relationships

16 Find the missing angle of the triangle



A 80	B 50	C 60
D 55	E 90	F 70

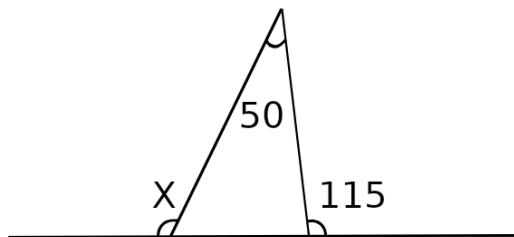
17 What is angle X?



(not to scale)

A 135	B 110	C 90
D 125	E 95	F 105

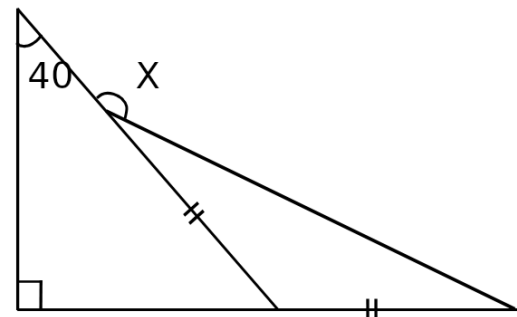
18 What is angle X?



(not to scale)

A 90	B 140	C 130
D 100	E 115	F 95

19 What is angle X?



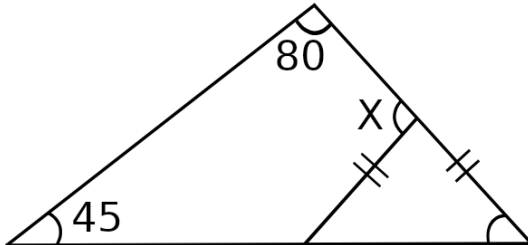
(not to scale)

A 155	B 175	C 130
D 150	E 170	F 165



Geometry and Angle Relationships

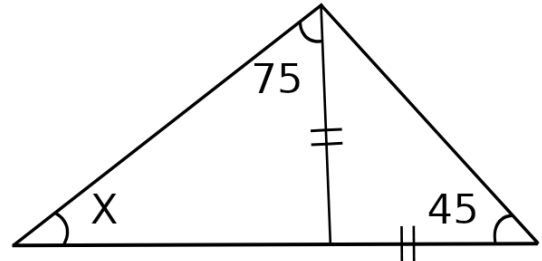
20 What is angle X?



(not to scale)

A 100	B 135	C 125
D 130	E 95	F 110

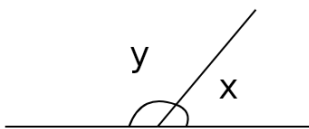
21 What is angle X?



(not to scale)

A 15	B 5	C 25
D 40	E 20	

22 What do we know about this pair of angles?



- A Angles x and y add to 180°
- B Angles x and y don't determine each other
- C Angles x and y are identical

23 What pair of angles would follow this rule?

Angles x and y add to 90°

A	complementary
B	supplementary
C	corresponding