1   **Which of the following angles is a reflex angle?**

A

∠CBA

B

∠XYZ

C

∠MNP

D

∠RST
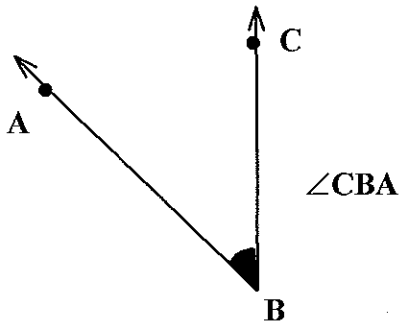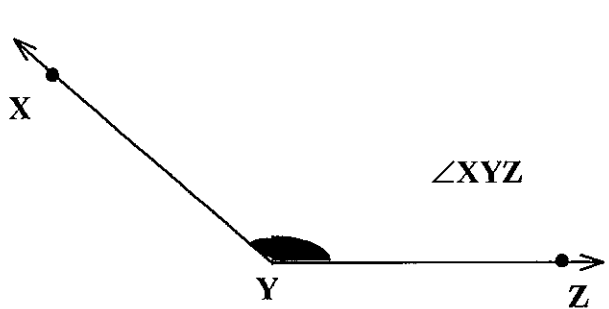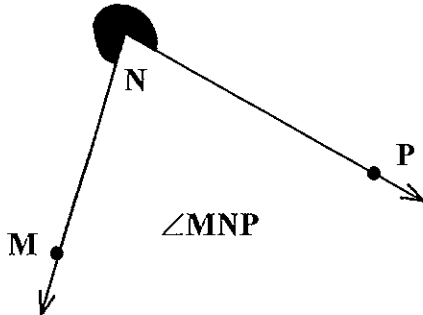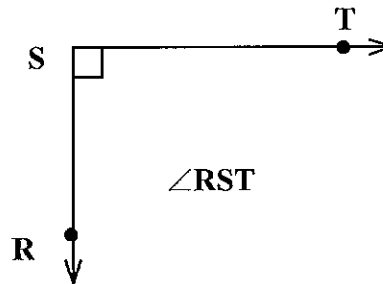
2.   **The angle shown is called:**
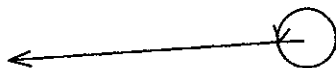
A a revolution.	B a complementary angle.
C a straight angle.	D an obtuse angle.

3.   **The total number of degrees if you turn in a full circle is:**

A 90^0	B 180^0
C 360^0	D 380^0

4.   **The complement of 55^0 is:**

A 45^0	B 35^0
C 125^0	D 235^0

5. The supplement of 98^0 is:

A 8^0 B 82^0

C 262^0 D 90^0

6. The angles marked • are called:

A   corresponding angles.   B   alternate angles.
C   cointerior angles.   D   none of these.

7. The angles marked • are called:

A   corresponding angles   B   vertically opposite angles
C   complementary angles   D   adjacent angles

8. The values of x^0 and y^0 in the following diagram are, in turn:

A 122^0 and 122^0

B 78^0 and 78^0

C 58^0 and 58^0

D 58^0 and 122

9. Which statement is <u>not</u> true about this triangle?

A   Angle a^0 equals angle b^0.
B $a = 74$
C   This is called an equilateral triangle.
D   The angles of this triangle add up to 180^0.

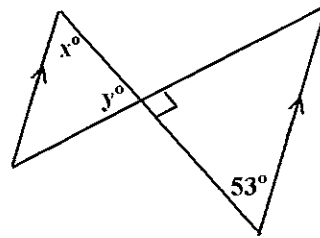**10** In this diagram:

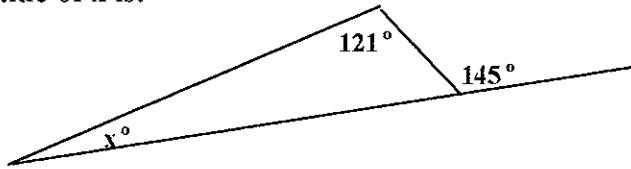A the 2 marked angles are described as alternate
B x = 98
C x = 49
D 2x = 172
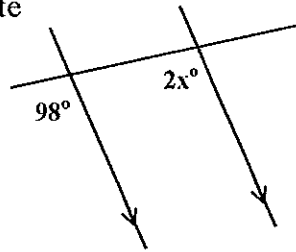
11 In this diagram:

A x = 53, y = 40
B x =53, y = 90
C x = 45, y = 90
D there is not enough
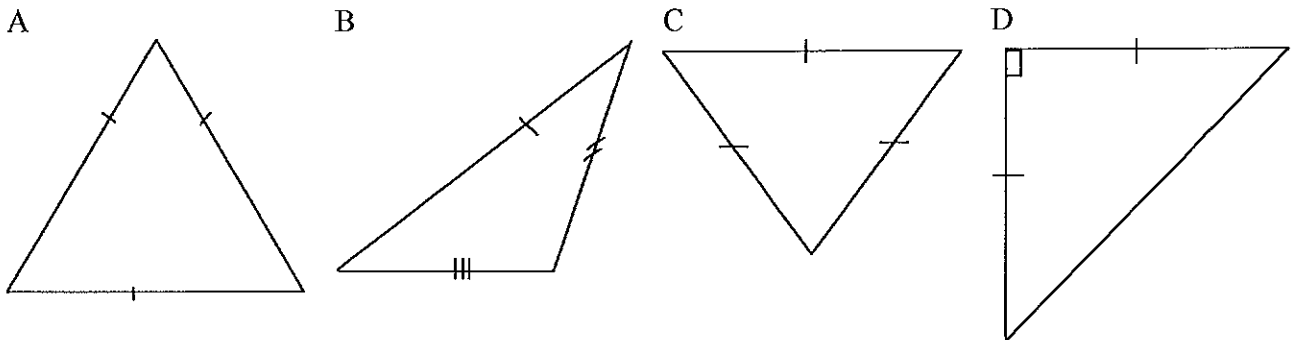information to calculate x.

12 The value of x is:

A 121   B 145
C 35   D 24

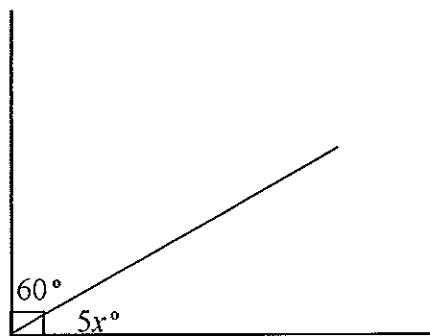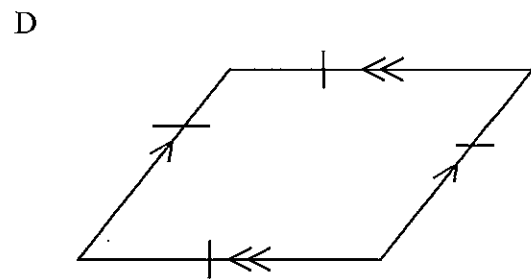**13** Which one of these is classified as a scalene triangle?

A   B   C   D
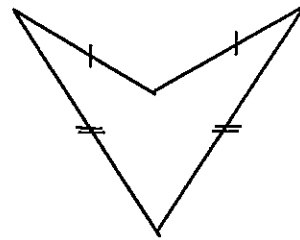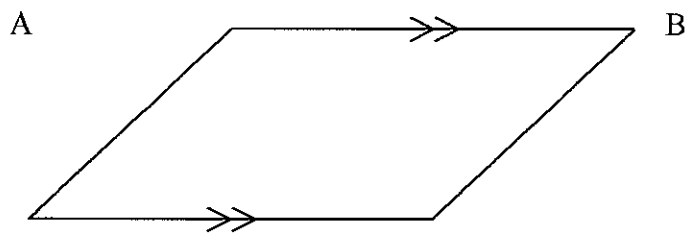
14 The value of x is:
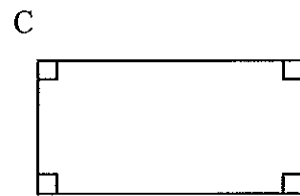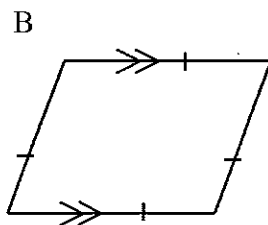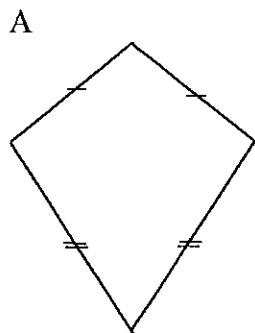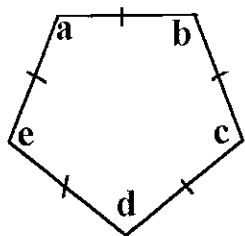
A 90   B 60   C 30   D 6

15   Which one of the following shapes is called a rhombus?

A

B

C

D
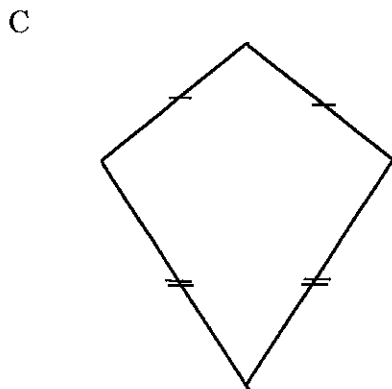
16   In which of the following figures do the diagonals not make a 90° angle with one another?
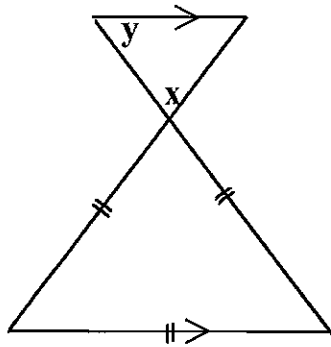
A

B

C

D
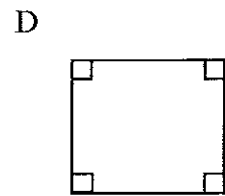
17   The angle sum of the pentagon   a + b + c + d + e   is equal to:

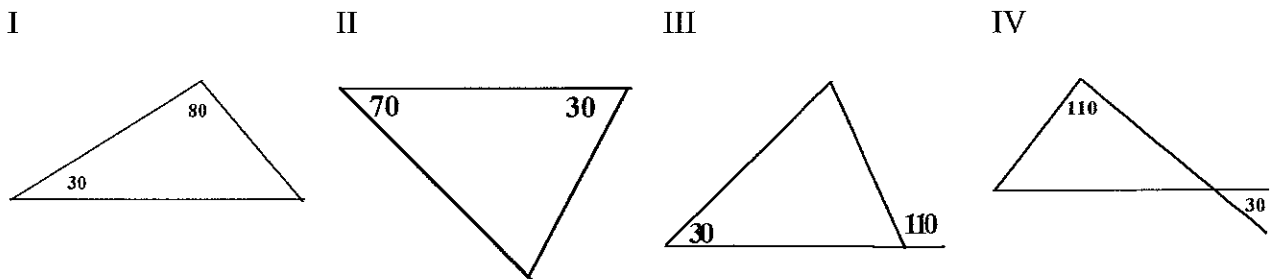|			
A	180°	B	360°
C	540°	D	none of these.

18   The values of x and y are:


A   x = 90, y = 45   B   x = y = 60

C   x = 60, y = 45   D   unable to be calculated since not enough
                                information has been provided.

19   Three of the following triangles are similar to one another, which means that they
        have the same 3 angles inside them. Which one is <u>not</u> similar to the other three?

I   II   III   IV

A   Triangle I   B   Triangle II

C   Triangle III   D   Triangle IV

20 x^0 , the angle of the wedge cut out of this block of cheese, is closest to:
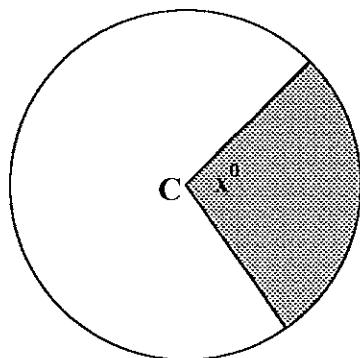
C = centre of the circle

A 60^0 B 90^0

C 160^0 D 180^0

ANSWERS TO GEOMETRY – YRS 7 & 8

1	C	2	A	3	C	4	B	5	B	6	D
7	B	8	C	9	C	10	C	11	B	12	D
13	B	14	D	15	D	16	C	17	C	18	B
19	D	20	B								