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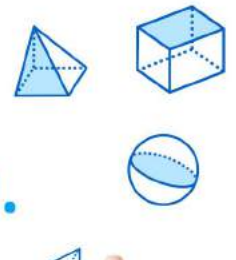

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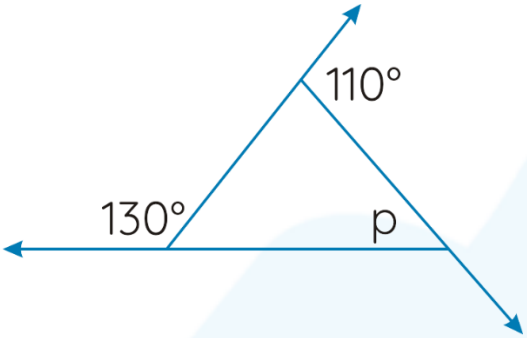
Angles Worksheet 4

1) The measure of a pair of supplementary angles is _____.

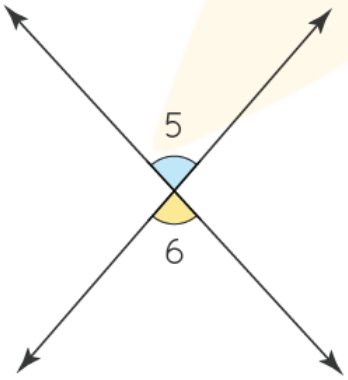
2) Write a pair of complementary angles such that one angle is half of the other angle.

3) Find the value of *p* in the given figure.



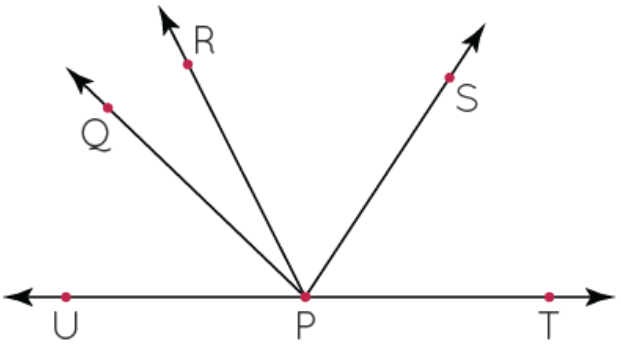
4) ∠1 and ∠2 form a linear pair. If the measure of ∠2 is 60° then what is the value of ∠1?

5) Find the missing angle 6 for the angle 5 = 83 degrees



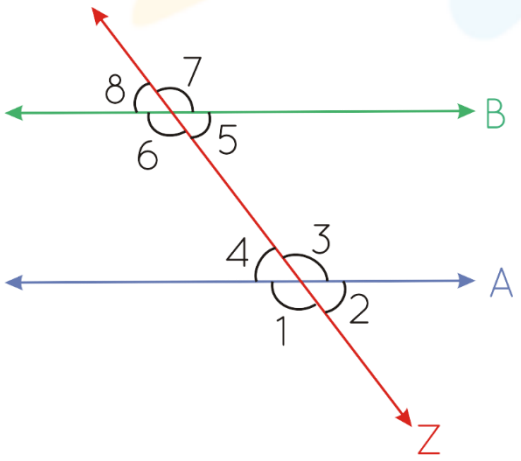
6) Write a pair of equal angles which are:
   i) complementary
   ii) supplementary

7) Name all the angles that are adjacent to ∠SPT.



8) Fill in the blanks.
   i) The exterior angles of a polygon always add up to _____.
   ii) The interior angles of a triangle always add up to _____.
   iii) Each internal angle of a regular quadrilateral is _____.
   iv) Sum of all the exterior angles of an irregular hexagon is _____.

9) Check whether the given lines are parallel or not if the sum of measure of angle 7 and angle 2 is 180 degrees.



10) State whether true or false.

i) All right angles are equal.

ii) A triangle can have two right angles.

iii) The interior and exterior angle of a polygon across a vertex are complementary.

iv) Vertically opposite angles are equal.

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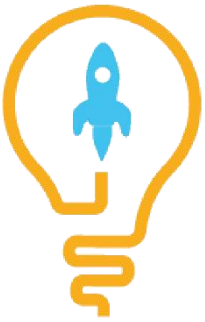

ANSWERS

1) 180°	6) i) complementary: 45° and 45° ii) supplementary: 90° and 90°
2)30° and 60°	7) ∠SPR, ∠QPS, ∠UPS
3) 120°	8) i) 360° ii) 180° iii) 90° iv) 360°
4) 120°	9) Line A and B are parallel because angle 7 and angle 2 are supplementary.
5) 83°	10) i) True ii) False iii) False iv) True

FUN FACT

1. Every letter in the alphabet series sets an example of angles being formed.

2. Did you know walking on a straight road forms a 180° angle?

3. When two lines do not meet each other, they never form angles.