

BCM SCHOOL, BASANT AVENUE, DUGRI ROAD, LUDHIANA

JULY ASSIGNMENT

CLASS: VII (MATHEMATICS)

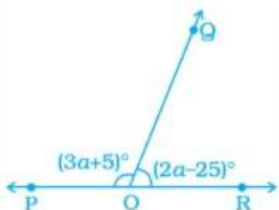
TOPICS: SIMPLE EQUATIONS & LINES AND ANGLES

SECTION A (Multiple Choice Questions)

1. Four-fifths of a number is greater than three-fourths of the number by 4. Find the number.
(a) 40 (b) 60 (c) 80 (d) none of these
2. Twice a number when decreased by 7 gives 45. Find the number.
(a) 26 (b) 23 (c) 25 (d) none of these
3. Assertion: The sum of the measures of the angles in a linear pair is 180° .
Reason: when two lines intersect each other at a single point, linear pairs of angles are formed.
a) Both Assertion and Reason are correct and Reason is the correct explanation for Assertion
b) Both Assertion and Reason are correct and Reason is not the correct explanation for Assertion.
c) assertion is true but the reason is false.
d) both assertion and reason are false.

SECTION B (2 MARKS QUESTIONS)

4. Find the angle which is five time its complement.
5. POR is a line. Find the value of a.



SECTION C (3 MARKS QUESTIONS)

6. Two supplementary angles are in the ratio 3 : 2. Find the angles.

7.	<div data-bbox="228 237 584 472"> </div> <p>Line $l \parallel m$, $p \parallel q$; find a, b, c, d.</p>
SECTION D (5 MARKS QUESTIONS)	
8.	The ages of Arun and Rahul are in the ratio 7 : 5. Ten years hence, the ratio of their ages will be 9 : 7. Find their present ages.
9.	The difference in the measures of two complementary angles is 12° . Find the measure of the angles.
SECTION E (Case Study)	
10.	<p>Student of a school prepared some articles on the occasion of Deepawali to help poor people. They made diyas, candles, rangoli art designs, flower decoration kits and homemade sweets, and distributed in a slum area. They collected total money Rs. 1568/-. They got 1 rupee coins, 2 rupees coins, 5 rupees coins and 10 rupees coins. The number of 10 rupees coins are half of 1 rupee coins, 5 rupees coins are one third of 1 rupee coins and 2 rupees coins are one fourth of 1 rupee coins. Total number of coins are 400 . Total amount of 2 rupee coins is invested on making diyas and amount of 10 rupee coins on making sweets.</p> <p>According to above paragraph, give the answers of the following questions: a) Write a simple equation for total number of coins collected. b) Find the number of 1 rupee coins. c) Find the number of - i) 5 rupees coins ii) 10 rupees coins</p>