

DELHIPUBLIC SCHOOL JAMMU
Revision Sheet-2
Topics- Exponents, Lines and Angles

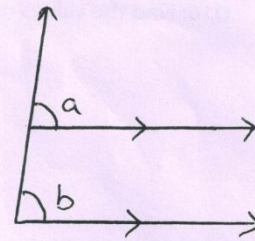
Class-VII

Subject- Maths

Section-A

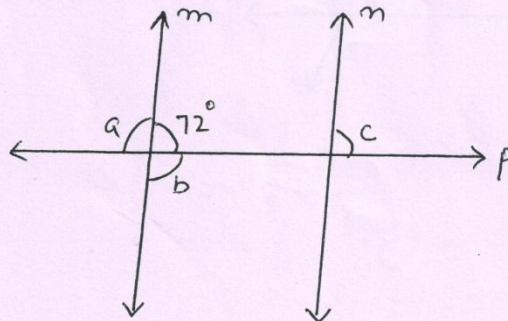
Multiple Choice questions

- Q1:** Which of the following is not in standard form?
(a) 6.2×10^5 (b) 72.6×10^6 (c) 0.26×10^7 (d) 6.0×10^5
- Q2:** 8^2 is same as:
(a) 2^8 (b) $(2^6)^2$ (c) $(2^3)^2$ (d) 8×2
- Q3:** $3^5 \div 3^5$ is equal to :
(a) 0 (b) 1 (c) 3 (d) 4
- Q4:** If an angle is 105° , what is its supplement?
(a) 65° (b) 75° (c) 45° (d) 95°
- Q5:** In the given figure, a and b are
(a) Alternate angles (b) Corresponding angles
(c) Vertically opposite angles (d) Adjacent angles
- Q6:** If an angle is 27° , what is its complement?
(a) 34° (b) 63° (c) 75° (d) 46°



Section-B

- Q7:** Write the following in exponential form:
(a) $\frac{81}{625}$ (b) $\frac{1}{9} \times \frac{1}{9} \times \frac{1}{9}$
- Q8:** Simplify and express in exponential form:
 $\left(\frac{-1}{2}\right)^2 \times \left(\frac{-3}{4}\right)^2$
- Q9:** If an angle is 4 times its complement, find the angles.
- Q10:** In the given figure, $m \parallel n$. Find the unknown angles.



Section-C

Q11: Simplify:

$$\frac{2^3 \times 3^4 \times 4}{3 \times 32}$$

Q12: Write 0.756×10^8 in its usual form.

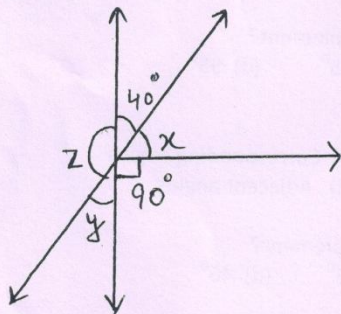
Q13: The difference is the measure of two complementary angles is 12° . Find the measure of these angles.

Q14: Two angles of a linear pair are in the ratio 1: 3, find the angles.

Section-D

Q15: Find the value of m, if $5^m \times 5^4 = 5^9$

Q16: Find the values of x, y and z in the given figure.



Q17: Simplify:

$$(3^{11} \times 3^7) \div (3^8 \times 3^{10})$$

Q18: If $AC \parallel DE$, $\angle D = 140^\circ$ and $\angle CBE = 43^\circ$, find x and y.

