

THE ASIAN SCHOOL
DEHRADUN
(SESSION 2021-2022)

Subject Mathematics

Worksheet class 7 (Revision of previous knowledge)

Q.1 (5 added to -5 gives:

Q.2 Absolute value of -11 is:

Q.3 Write numbers which is to the right of -3 on number line?

Q.4 The integer succeeding -9 is:

Q.5 The pair of integers whose sum is -5:

Q.6

Convert $148/1000$ to decimal form.

Q.7 Compare 7.84 and 7.9

Q.8 Add 4.80, 12.043, 246.94

Q.9 Subtract 0.474 from 5.

Q.10 Multiply 12.3 and 3.4

Q.11 a) Two _____ are said to form linear pair of the angles if their non common arms are two opposite rays.

b) if a ray stands on a line then the sum of the adjacent angles so formed is _____.

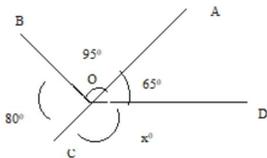
c) The sum of all angles around a point is _____.

d) An angle which is equal to its complement is _____.

e) Two angles are called a pair of _____ if their arms form two pairs of opposite rays.

In the given below figure rays
OA,OB,OC and OD intersect at a point.

Find the value of x



Q.12

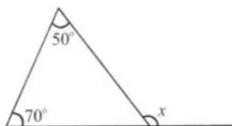
4. Find the value of x in the adjoining figure.

(a) 50°

(b) 70°

(c) 120°

(d) 180°



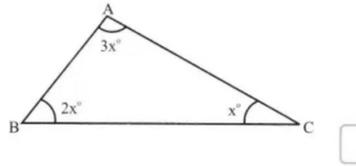
Q.13

Q.14

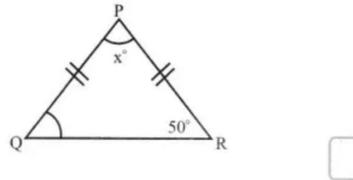
 ΔABC is right-angled at C. If $AC = 5$ cm and $BC = 12$ cm find the length of AB .

Q.15 The hypotenuse of a right triangle is 17 cm long. If one of the remaining two sides is 8 cm in length, then the length of the other side is

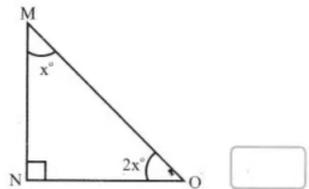
1.



2.



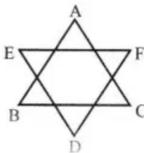
3.



Q.16 Find angle x

Q.17 The acute angles of right triangle are in the ratio 2 : 1. Find the measure of each of these angles.

 In figure find the value of $\angle A + \angle B + \angle C + \angle D + \angle E + \angle F$



Q.18

Two parallel lines l and m are intersected by a transversal t . If the interior angles on same side of transversal are $(2x - 8)^\circ$ and $(3x - 7)^\circ$

Q.19 Find the measure of these angles.

Q.20 Find the value of p , if $p \times (-9) = 135$

Q.21. Evaluate :

$$(-1) \times (-2) \times (-3) \times (-4) \times (-5)$$

Q.22 With the help of number line find how much greater is the number 3 then -3

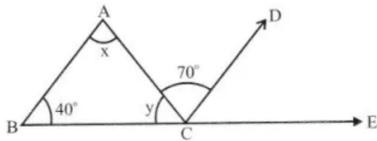
Q.23 An elevator descends into a mine shaft at the rate of 7m/min. If the descent starts from 5m above the ground level, how long will it take to reach -205 m?

Q.24 The sum of two integers is -1500. One of the number is 599. Find the other number.

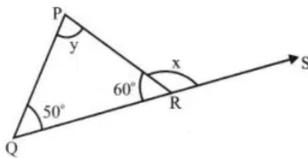
Q.25 One of the angles of a triangle is 100° and the other two angles are equal. Find the measure of each of these equal angles.

Q.26 Find x and y

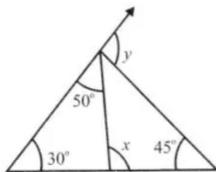
1. Here $CD \parallel AB$



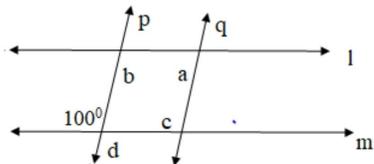
2.



3.

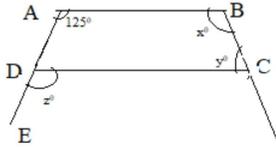


In the given fig. l is parallel to m and p \parallel q. Find the measure of each of the angles a,b,c,d.



Q.27

In the given figure below. $AB \parallel CD$ and AD is produced to E so that $\angle BAE = 125^\circ$. if $\angle ABC = x^\circ$, $\angle BCD = y^\circ$ and $\angle CDE = z^\circ$ and $\angle ADC = x^\circ$ Find the values of x, y and z



Q.28

Q.29 Solve

-2.39+5.89-2.56