ARMY PUBLIC SCHOOL AHMEDABAD CANTT
Worksheet

Class- VII Subject- MATHS

1) Verify a-(-b)= a+b for the following values 'a' and 'b'.
   (a) a=75 , b= 84
   (b) a=25 , b= 125
2) Write down a pair of integers whose
   (a) Sum is (-3)
   (b) Sum is 0
   (c) Difference is 2
   (d) Difference is (-5)
3) Verify the following :
   a) $15 \times [6+(-3)] = [15\times6] + [15\times(-3)]$
4) Evaluate :
   i) $(-100) \div 5$
   ii) $(-36) \div (-4)$
   iii) $0\div18$
   iv) $(-50)\div(50)$
   v) $60\div6$
5) Find :
   i) $(-3)\times(-6)\times(-2)\times(-1)$
   ii) $(-320) \times (-1)$
   iii) $(-18)\times0\times(-16)$
6) In a quiz , team A scored -50,30 and 0 and team B scored 60,30,-40 in three successive rounds.which team scored more ?
7) The temperature at 12 noon was 10^0C above zero. IF it decrease at the rate of 2^0C per hour until mid night , at what time would the temperature be 8^0C below zero ? what would be the temperature at mid-night ?
8) Arrange in ascending order : $\frac{3}{4}, \frac{2}{3}, \frac{1}{2}, \frac{5}{6}, \frac{7}{8}$.
9) Simplify : (a) $\frac{1}{12}+\frac{5}{12}+\frac{7}{12}$ (b) $1\frac{1}{2}+2\frac{1}{3}+\frac{6}{15}$ (c) $10 \times 4\frac{1}{4}$ d) $\frac{11}{13}\div 22$.
10) Anita jogs $1\frac{1}{2}$ km in 1 hour . How many Km can she cover in $2\frac{1}{2}$ hours ?
11) Subtract : (i) $\frac{2}{11}$ from 4 (ii) $1\frac{1}{4}$ from $5\frac{1}{2}$
12) Find the value of 0.03784×1000.

13) Find the length of wire required to fence a field of length 290m and width of 75.25m.

14) Write five equivalent fractions of $\frac{2}{7}$.

15) Find : (a) $\frac{1}{2}$ of 102 (b) $\frac{3}{4}$ of 224.

16) A cyclist covers $4\frac{1}{2}$ km in 1 hour .How far does he go in $3\frac{1}{2}$ hours ?

17) which is greater : $\frac{3}{5}$ of $\frac{3}{4}$ or $\frac{1}{2}$ of $\frac{1}{5}$

18) Express 49mm in cm, m, km.

19) Express in kg : (a) 7 kg 5g (b) 7492g.

20) Express as rupees : (i) 9 paisa (ii) 8 rupees 3 paisa .

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Worksheet-3

Class- VII Subject- MATHS Date –

1) Solve : 2y+7 = 14
2) Solve : 3(x+1)-4=10
3) Solve : $\frac{z}{5}$ + 3 = 7
4) Solve : 4y-7=4-3y
5) Find the complement of 56^0
6) Find the supplement of 102^0
7) For the given figure find :

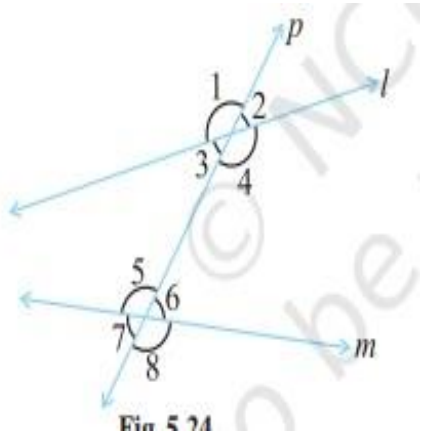


Fig. 5.24

i)corresponding angle

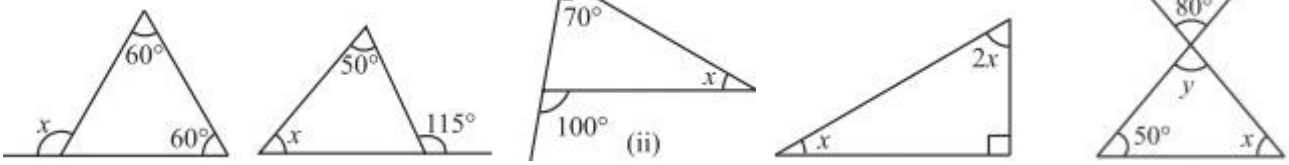
ii)alternate interior angle

iii) vertically opposite angle

iv) alternate exterior angle

v) interior angle on same side of transversal

8) Find the value of x & y.



9) Is it possible for a triangle with given sides : 3 cm,5cm,6cm.
10) State Pythagoras theorem.
11) For triangle PQR , right angle at P.If PQ=10cm and PR=24cm,find QR.
12) Find the perimeter of the rectangle whose length is 40cm and a diagonal is 41cm.