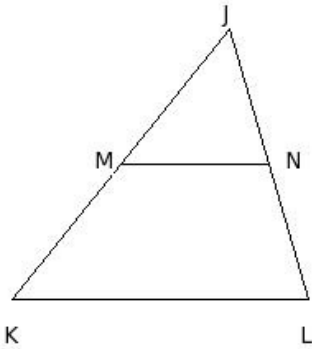


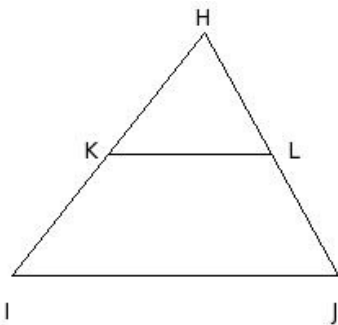


1. In the given figure  $\triangle JKL$ ,  
M is the mid-point of  $\overline{JK}$  and  $\overline{MN} \parallel \overline{KL}$ , then  $JN =$



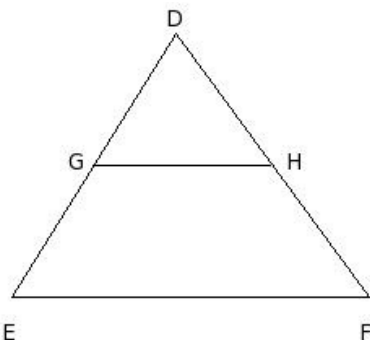
- (i)  $\frac{LJ}{2}$  (ii)  $\frac{JK}{2}$  (iii)  $\frac{KL}{2}$  (iv) JM (v) KL

2. In the given figure  $\triangle HIJ$ ,  
K is the mid-point of  $\overline{HI}$  and  $\overline{KL} \parallel \overline{IJ}$ , then  $HK =$



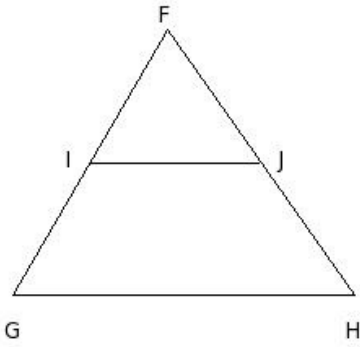
- (i)  $\frac{JH}{2}$  (ii) IJ (iii) HL (iv)  $\frac{IJ}{2}$  (v)  $\frac{HI}{2}$

3. In the given figure  $\triangle DEF$ ,  
G is the mid-point of  $\overline{DE}$  and  $\overline{GH} \parallel \overline{EF}$ , then  $DG =$



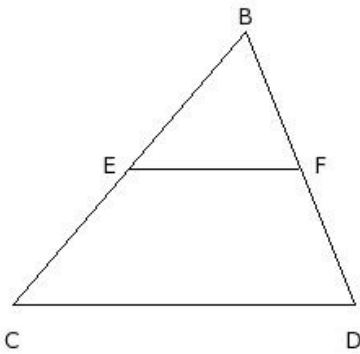
- (i) GE (ii) HF (iii) FD (iv) DH (v) DE

4. In the given figure  $\triangle FGH$ ,  
I is the mid-point of  $\overline{FG}$  and  $\overline{IJ} \parallel \overline{GH}$ , then  $IG =$



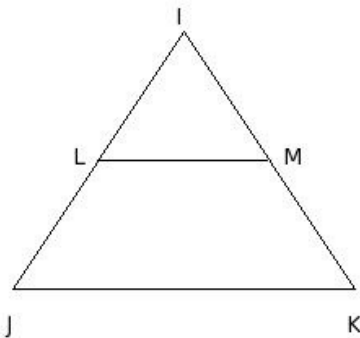
- (i) FJ (ii) FG (iii) JH (iv) FI (v) HF

5. In the given figure  $\triangle BCD$ ,  
E is the mid-point of  $\overline{BC}$  and  $\overline{EF} \parallel \overline{CD}$ , then  $BF =$



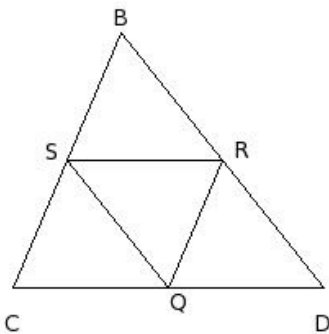
- (i) EC (ii) FD (iii) DB (iv) BE (v) BC

6. In the given figure  $\triangle IJK$ ,  
L is the mid-point of  $\overline{IJ}$  and  $\overline{LM} \parallel \overline{JK}$ , then  $MK =$



- (i) IL (ii) IM (iii) LJ (iv) IJ (v) KI

7. Q, R, S are the mid-points of the sides of triangle BCD.  
If the perimeter of the  $\triangle BCD$  is 56 cm, the perimeter of  $\triangle QRS$  is



- (i) 29.0 cm (ii) 26.0 cm (iii) 30.0 cm (iv) 27.0 cm (v) 28.0 cm

8. The figure formed by successively joining the mid-points of the sides of a parallelogram is

- (i) square (ii) rectangle (iii) parallelogram (iv) rhombus

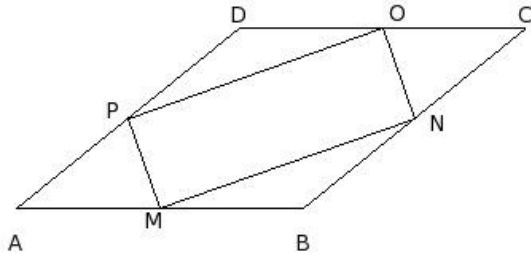
9. The figure formed by successively joining the mid-points of the sides of a rectangle is

- (i) rectangle (ii) square (iii) parallelogram (iv) rhombus

10. The figure formed by successively joining the mid-points of the sides of a rhombus is

- (i) rectangle (ii) square (iii) rhombus (iv) parallelogram

11. ABCD is a rhombus. M, N, O and P are mid-points of sides AB, BC, CD and DA. Find  $\angle NOP$

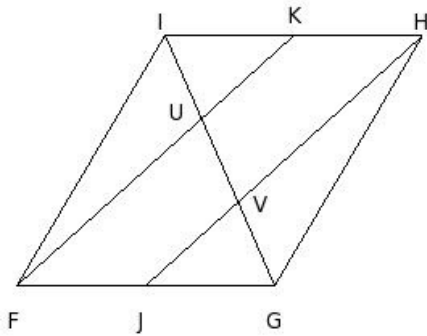


- (i)  $91^\circ$  (ii)  $89^\circ$  (iii)  $88^\circ$  (iv)  $92^\circ$  (v)  $90^\circ$

In the given figure, FGHI is a parallelogram

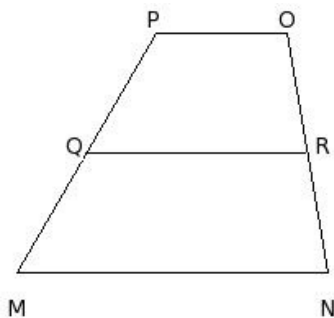
12. such that J and K are mid-points of sides FG & HI.

FK meets GI at U and HJ meets GI at V. Given  $GI = 17$  cm, find UV



- (i) 4.67 cm (ii) 7.67 cm (iii) 6.67 cm (iv) 3.67 cm (v) 5.67 cm

13. In the given figure, MNOP is a trapezium. Q and R are mid-points of MP and NO. Given  $OP = 8$  cm and  $MN = 19$  cm, find QR

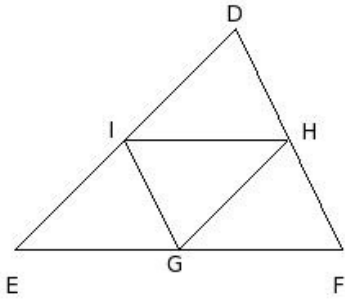


- (i) 15.5 cm (ii) 12.5 cm (iii) 11.5 cm (iv) 14.5 cm (v) 13.5 cm

In the given figure,  $\triangle DEF$  is a triangle.

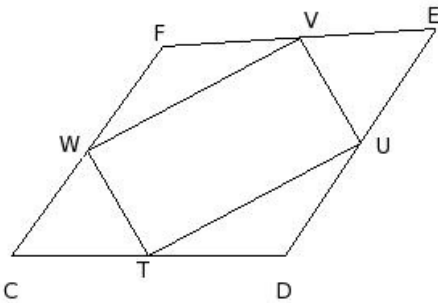
14. G, H & I are mid-points of EF, FD & DE respectively.

Given  $GH = 10$  cm,  $HI = 10$  cm &  $IG = 8$  cm, find the sides of the triangle.



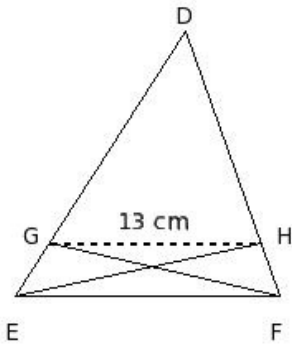
- (i) 21 cm, 20 cm & 16 cm (ii) 20 cm, 20 cm & 16 cm (iii) 20 cm, 19 cm & 16 cm (iv) 20 cm, 20 cm & 18 cm  
 (v) 17 cm, 20 cm & 16 cm

15. CDEF is a quadrilateral. T, U, V and W are mid-points of CD, DE, EF and FC respectively. If  $CE = 30$  cm and  $DF = 15$  cm, find the measure of the sides of TUVW.



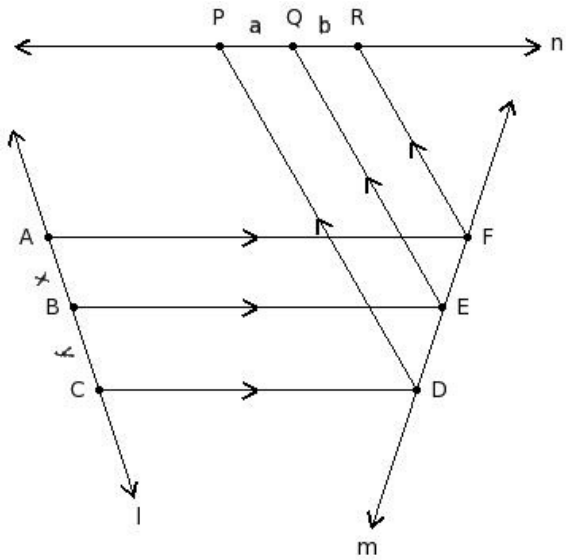
- (i) 16 cm, 7.5 cm, 16 cm, 7.5 cm (ii) 15 cm, 6 cm, 15 cm, 6 cm (iii) 15 cm, 7.5 cm, 15 cm, 7.5 cm  
 (iv) 15 cm, 4 cm, 15 cm, 4 cm (v) 17 cm, 7.5 cm, 17 cm, 7.5 cm

16. In the given  $\triangle DEF$ ,  $GE = \frac{1}{4} DE$  and  $HF = \frac{1}{4} DF$ . If  $GH = 13$  cm, find EF



- (i) 16.33 cm (ii) 19.33 cm (iii) 15.33 cm (iv) 18.33 cm (v) 17.33 cm

17. In the given figure,  $l, m$  &  $n$  are three straight lines such that  $AF \parallel BE \parallel CD$  and  $DP \parallel EQ \parallel FR$ . Given  $a = 10$  cm,  $y = 10$  cm and  $x = 10$  cm, find 'b'



- (i) 8.00 cm (ii) 10.00 cm (iii) 11.00 cm (iv) 9.00 cm (v) 12.00 cm

## Assignment Key

1) (i)	2) (v)	3) (i)	4) (iv)	5) (ii)	6) (ii)
7) (v)	8) (iii)	9) (iv)	10) (i)	11) (v)	12) (v)
13) (v)	14) (ii)	15) (iii)	16) (v)	17) (ii)	