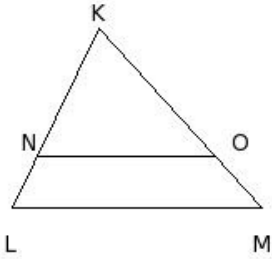


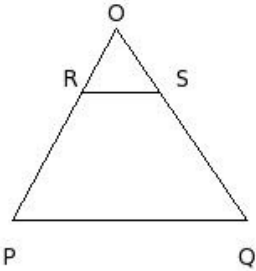


1. In the given figure,  $NO \parallel LM$ . If  $\frac{KN}{NL} = \frac{5}{2}$  and  $KM = 15.1$  cm, find  $KO$



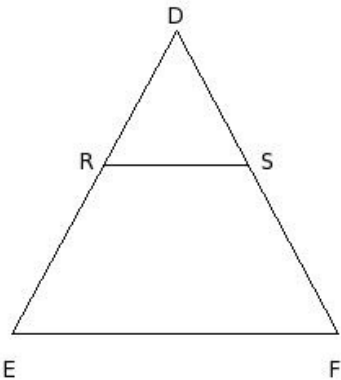
- (i) 9.79 cm (ii) 10.79 cm (iii) 12.79 cm (iv) 8.79 cm (v) 11.79 cm

2. In the given figure,  $RS \parallel PQ$ .  
If  $OR = 4.43$  cm,  $OP = 13.3$  cm and  $OQ = 14.1$  cm, find  $OS$



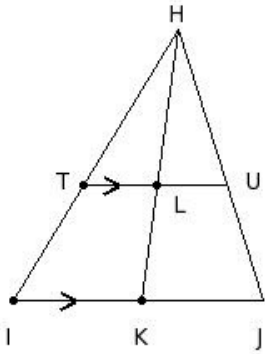
- (i) 6.70 cm (ii) 2.70 cm (iii) 4.70 cm (iv) 3.70 cm (v) 5.70 cm

3. In the given figure,  $RS \parallel EF$  and  $DR = 12.6$  cm,  $DE = 21$  cm and  $EF = 20$  cm, find  $RS$



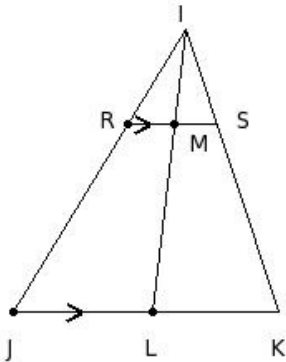
- (i) 11.0 cm (ii) 13.0 cm (iii) 12.0 cm (iv) 10.0 cm (v) 14.0 cm

4. In the given figure,  $TU \parallel IJ$ , and median  $HK$  bisects  $TU$ .  
If  $HI = 19$  cm,  $HK = 19$  cm and  $HT = 10.86$  cm,  $TI =$



- (i) 6.14 cm (ii) 8.14 cm (iii) 7.14 cm (iv) 9.14 cm (v) 10.14 cm

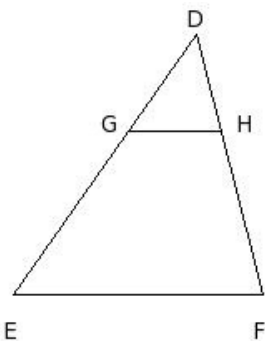
5. In the given figure,  $RS \parallel JK$ , and median  $IL$  bisects  $RS$ .  
If  $IL = 17.1$  cm,  $IM = 5.7$  cm and  $IS = 6$  cm,  $IK =$



- (i) 18.00 cm (ii) 19.00 cm (iii) 17.00 cm (iv) 20.00 cm (v) 16.00 cm

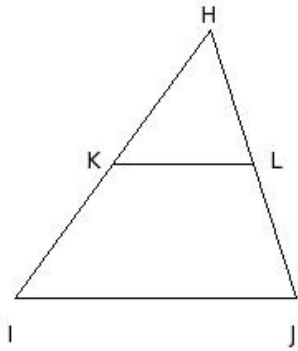
6. In the given figure,  $G$  and  $H$  are points on the sides  $DE$  and  $DF$  respectively of  $\triangle DEF$ . For which of the following cases,  $GH \parallel EF$

- a)  $DE = 19$  cm,  $GE = 11.88$  cm,  $DH = 8$  cm and  $DF = 16$  cm  
b)  $DE = 19$  cm,  $DG = 9.12$  cm,  $DF = 16$  cm and  $HF = 10$  cm  
c)  $DG = 7.12$  cm,  $GE = 11.88$  cm,  $DH = 6$  cm and  $HF = 10$  cm  
d)  $DE = 19$  cm,  $GE = 11.88$  cm,  $DF = 16$  cm and  $DH = 6$  cm



- (i) {a,b,c} (ii) {b,d} (iii) {a,c} (iv) {a,d,c} (v) {c,d}

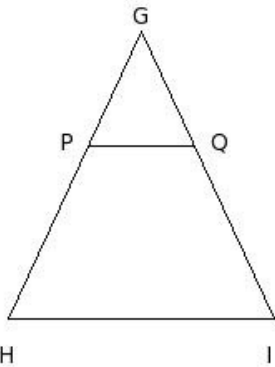
7. In the given  $\triangle HIJ$ ,  $KL \parallel IJ$ . If  $HK : KI = 10 \text{ cm} : 10 \text{ cm}$  and  $HJ = 17 \text{ cm}$ ,  $LJ =$



- (i) 10.50 cm (ii) 7.50 cm (iii) 6.50 cm (iv) 9.50 cm (v) 8.50 cm

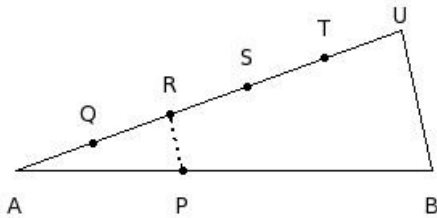
In the given figure,  $\triangle GHI$ ,  $PQ \parallel HI$  such that

8. area of  $\triangle GPQ =$  area of  $PQIH$ . Find  $\frac{GP}{GH}$



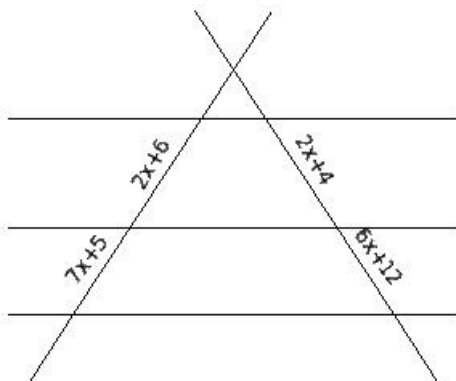
- (i)  $\frac{1}{2}\sqrt{2}$  (ii)  $\frac{1}{2}\sqrt{5}$  (iii) 1 (iv)  $\frac{1}{2}\sqrt{\frac{1}{2}}$  (v)  $\frac{1}{2}\sqrt{2}$

9. In the given figure, if A, Q, R, S, T, U are equidistant and  $RP \parallel UB$  and  $AB = 26 \text{ cm}$  and  $AP = 10 \text{ cm}$ . Find PB



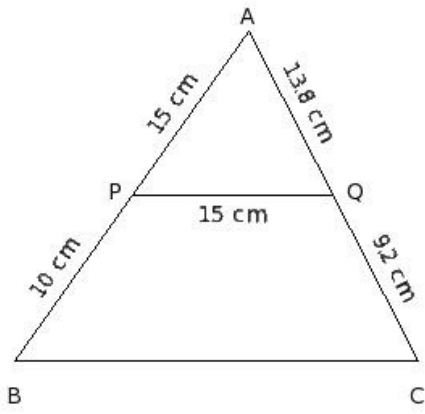
- (i) 18.00 cm (ii) 16.00 cm (iii) 17.00 cm (iv) 14.00 cm (v) 15.00 cm

10. From the given figure and values, find x



- (i) (13,-3) (ii) (13,-2) (iii) (14,-1) (iv) (15,-2) (v) (0,15)

11. If the measures are as shown in the given figure, find BC



- (i) 23.0 cm (ii) 27.0 cm (iii) 25.0 cm (iv) 24.0 cm (v) 26.0 cm

## Assignment Key

---

1) (ii)

2) (iii)

3) (iii)

4) (ii)

5) (i)

6) (v)

7) (v)

8) (v)

9) (ii)

10) (ii)

11) (iii)