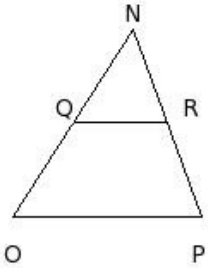


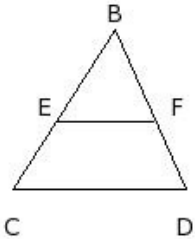


1. In the given figure, $QR \parallel OP$. If $\frac{NQ}{QO} = \frac{1}{1}$ and $NP = 11.9$ cm, find NR



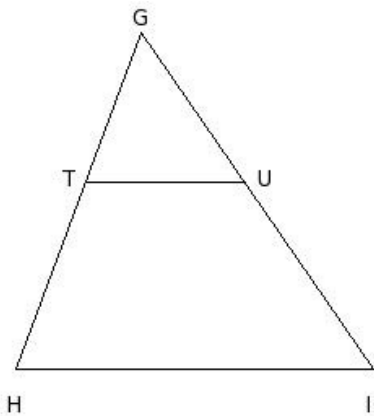
- (i) 4.95 cm (ii) 5.95 cm (iii) 3.95 cm (iv) 6.95 cm (v) 7.95 cm

2. In the given figure, $EF \parallel CD$.
If $BE = 6.51$ cm, $BC = 11.4$ cm and $BD = 10.7$ cm, find BF



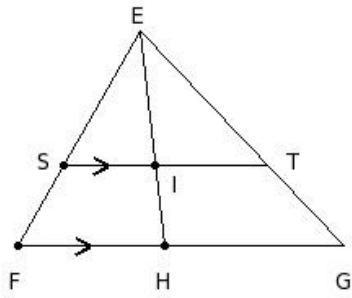
- (i) 4.11 cm (ii) 6.11 cm (iii) 5.11 cm (iv) 7.11 cm (v) 8.11 cm

3. In the given figure, $TU \parallel HI$ and $GT = 13.2$ cm, $GH = 22$ cm and $HI = 22$ cm, find TU



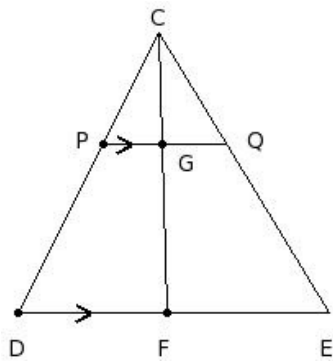
- (i) 13.2 cm (ii) 12.2 cm (iii) 14.2 cm (iv) 11.2 cm (v) 15.2 cm

4. In the given figure, $ST \parallel FG$, and median EH bisects ST .
If $EF = 15$ cm, $EH = 15.1$ cm and $ES = 9.38$ cm, $SF =$



- (i) 7.62 cm (ii) 4.62 cm (iii) 6.62 cm (iv) 5.62 cm (v) 3.62 cm

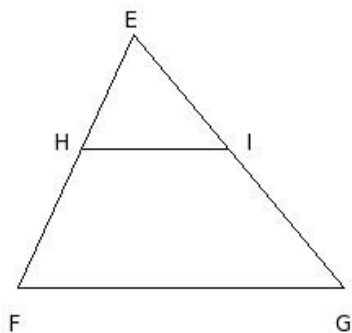
5. In the given figure, $PQ \parallel DE$, and median CF bisects PQ .
If $CE = 20$ cm, $CG = 6.84$ cm and $CQ = 8$ cm, $CF =$



- (i) 16.10 cm (ii) 19.10 cm (iii) 15.10 cm (iv) 18.10 cm (v) 17.10 cm

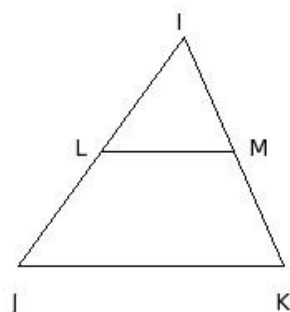
6. In the given figure, H and I are points on the sides EF and EG respectively of $\triangle EFG$. For which of the following cases, $HI \parallel FG$

- a) $EF = 17$ cm, $HF = 9.27$ cm, $EI = 11.09$ cm and $EG = 20$ cm
b) $EF = 17$ cm, $EH = 9.73$ cm, $EG = 20$ cm and $IG = 10.91$ cm
c) $EH = 7.73$ cm, $HF = 9.27$ cm, $EI = 9.09$ cm and $IG = 10.91$ cm
d) $EF = 17$ cm, $HF = 9.27$ cm, $EG = 20$ cm and $EI = 9.09$ cm



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

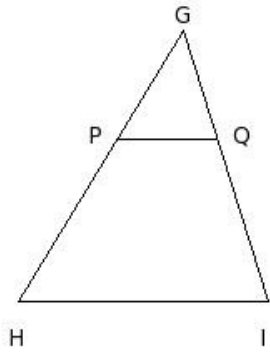
7. In the given $\triangle JJK$, $LM \parallel JK$. If $IL : LJ = 8.5$ cm : 8.5 cm and $IK = 15$ cm, $MK =$



- (i) 9.50 cm (ii) 7.50 cm (iii) 6.50 cm (iv) 8.50 cm (v) 5.50 cm

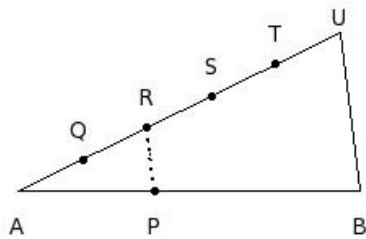
In the given figure, $\triangle GHI$, $PQ \parallel HI$ such that

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



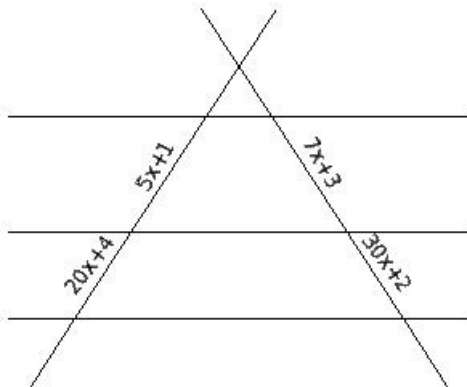
- (i) $\frac{1}{2}\sqrt{2}$ (ii) $\frac{1}{2}\sqrt{1}$ (iii) $\frac{1}{2}\sqrt{4}$ (iv) 1 (v) $\frac{1}{2}\sqrt{5}$

9. In the given figure, if A, Q, R, S, T, U are equidistant and $RP \parallel UB$ and $AB = 21$ cm and $AP = 8$ cm. Find PB



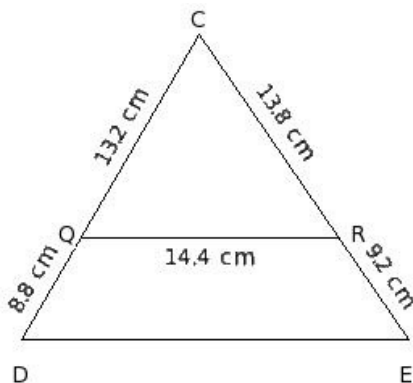
- (i) 15.00 cm (ii) 12.00 cm (iii) 11.00 cm (iv) 13.00 cm (v) 14.00 cm

10. From the given figure and values, find x



- (i) $(6, (\frac{-1}{7}))$ (ii) $(8, (\frac{-1}{5}))$ (iii) $(5, (\frac{-1}{3}))$ (iv) $(5, (\frac{-1}{5}))$ (v) $(\frac{14}{5}, 7)$

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



- (i) 22.0 cm (ii) 23.0 cm (iii) 24.0 cm (iv) 26.0 cm (v) 25.0 cm

Assignment Key

1) (ii)

2) (ii)

3) (i)

4) (iv)

5) (v)

6) (iii)

7) (ii)

8) (i)

9) (iv)

10) (iv)

11) (iii)