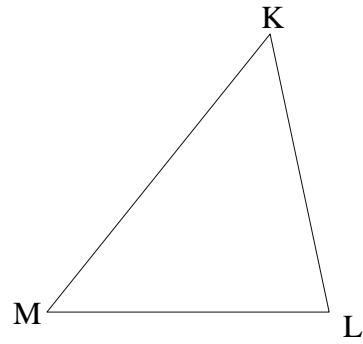
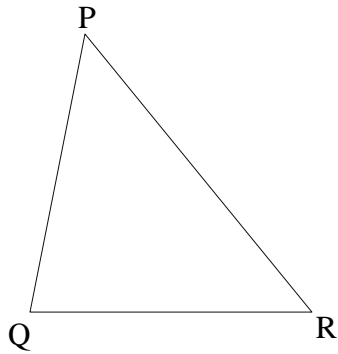
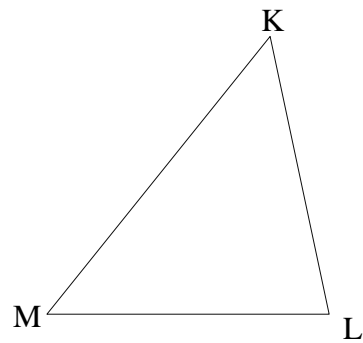
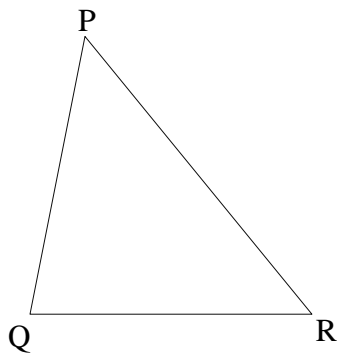


For questions 1-3, use the triangle congruence postulate indicated to mark the triangles given that in each case. $\triangle PQR \cong \triangle KLM$.

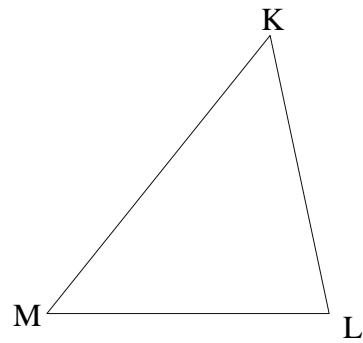
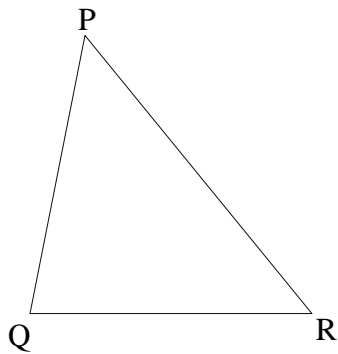
1. S.S.S



2. S.A.S

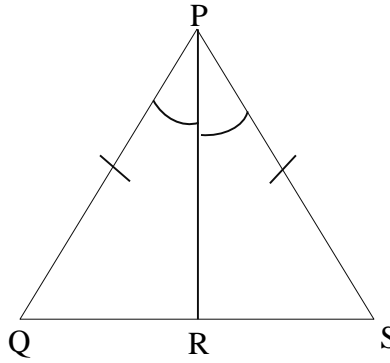


3. A.S.A

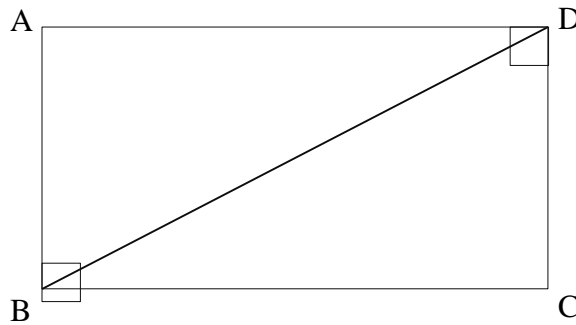


In questions 4 -10, identify a congruent triangle to the one indicated based. *In each case name the triangle using proper correspondence.*

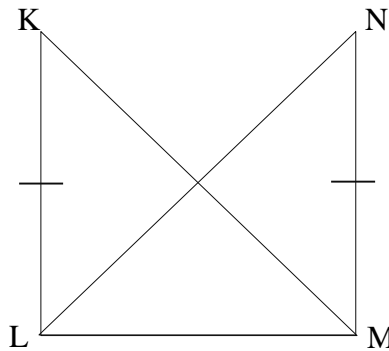
4. $\triangle PQR$



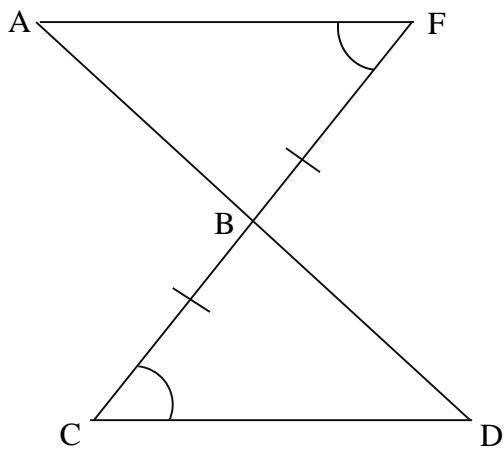
5. $\triangle ABD$



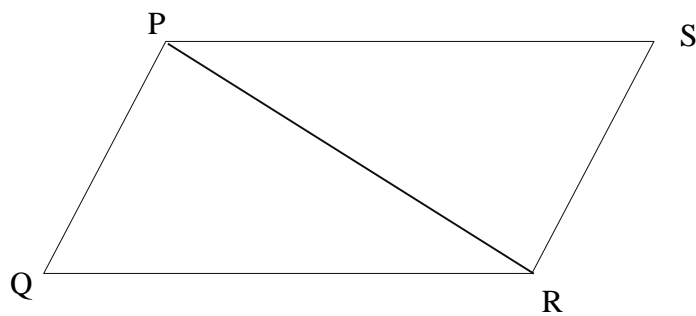
6. $\triangle KLM$



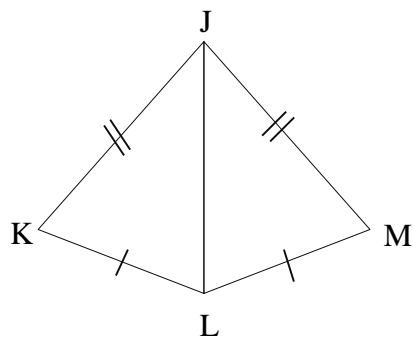
7. $\triangle ABF$



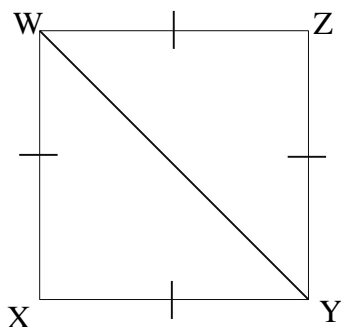
8. $\triangle PSR$



9. $\triangle JML$

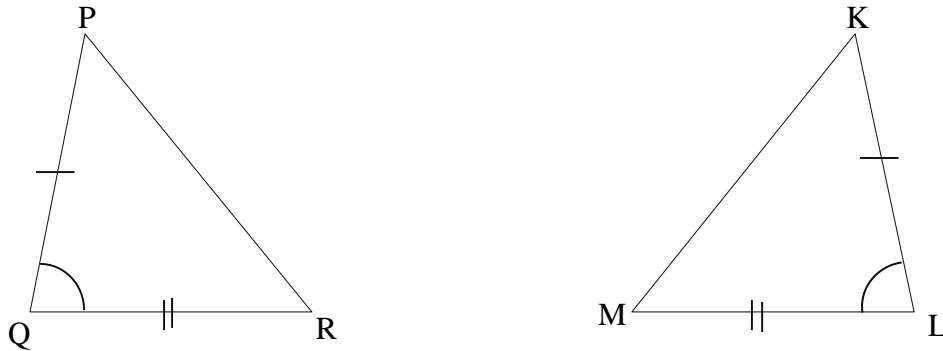


10. $\triangle WXY$

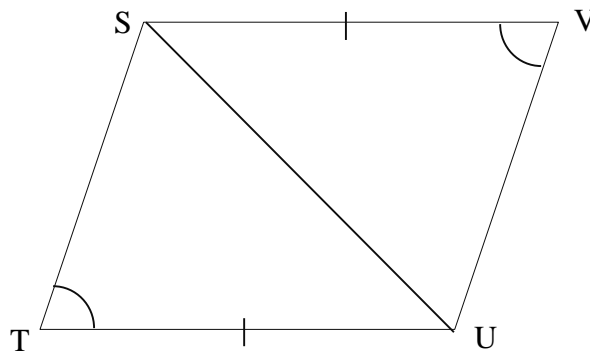


In questions 11-14, state whether the triangles are congruent or not based on the information given for each. If congruent, identify the congruence postulate used.

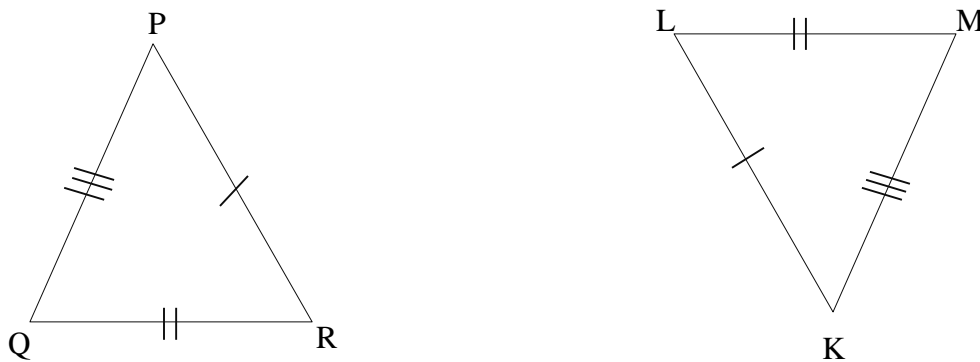
11.



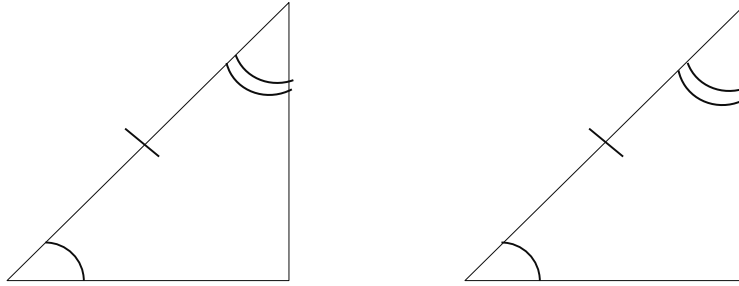
12. $\triangle KLM$



13.

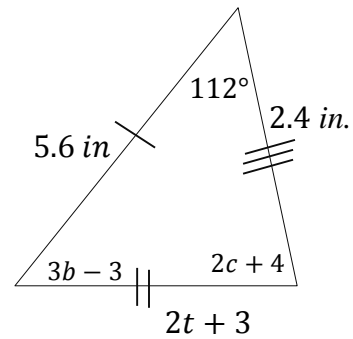
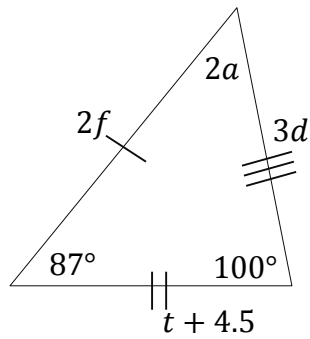


14.



Given that the two triangles are congruent find the values of the unknown letters in questions 15-

20.



15. *a*

16. *b*

17. *c*

18. *d*

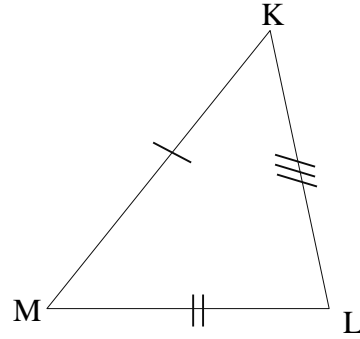
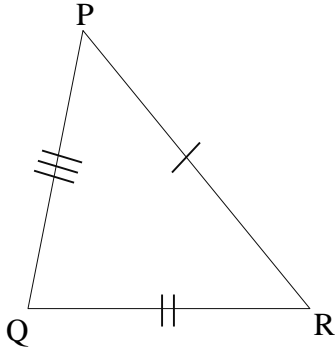
19. *t*

20. *f*

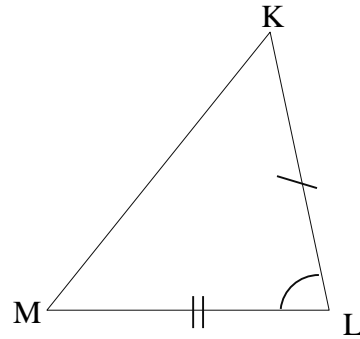
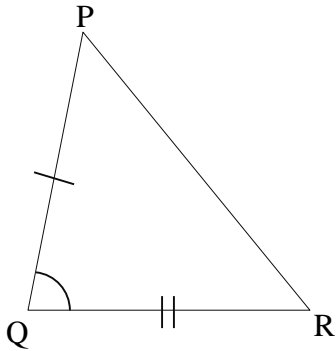
Answer keys

Day 59:

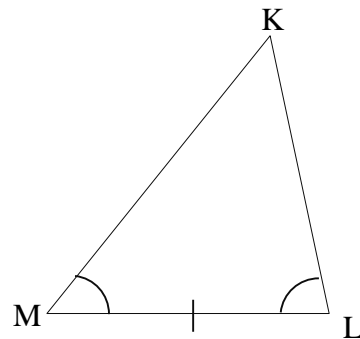
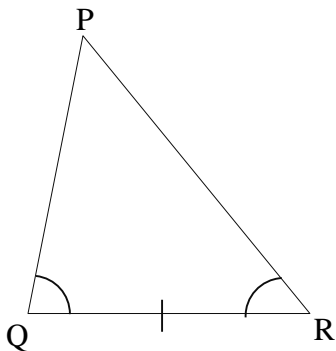
1. (In another marking that implies SSS can do)



2. (In another marking that implies SAS can do)



3. (In another marking that implies ASA can do)



4. $\triangle PSR$

5. $\triangle CDB$

6. $\triangle NML$

7. $\triangle DBC$

8. $\triangle RPQ$

9. $\triangle JKL$

10. $\triangle WZY$

11. Congruent. S.A.A

12. Not congruent

13. Congruent S.S.S.

14. Congruent A.S.A

15. $t = 56^\circ$

16. $b = 30^\circ$

17. $c = 48^\circ$

18. 0.8 in.

19. 1.5 in.

20. 2.8 in.