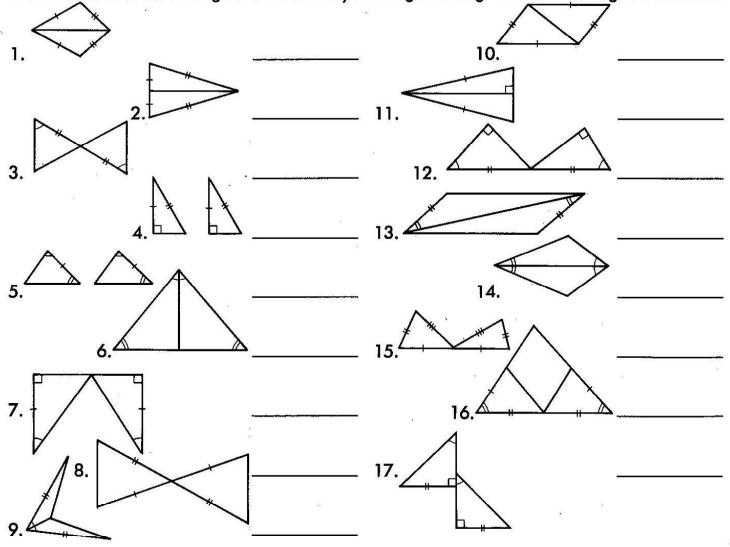
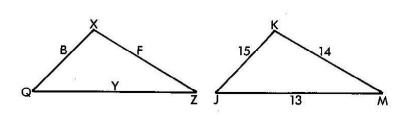


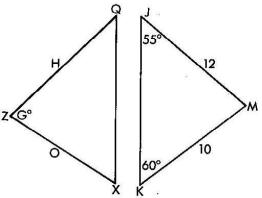
On the blank beside each pair of triangles write the reason that they are congruent. Follow the reasons in order through the maze and you will get through without coming to a bad end.

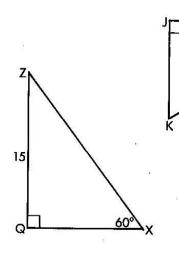


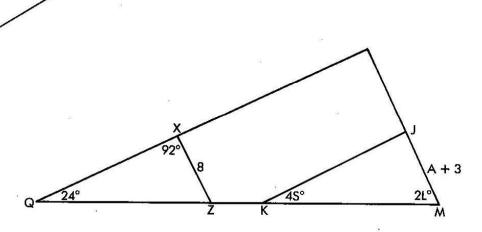
Suppose you want to prove that  $\triangle$  QXZ  $\cong$   $\triangle$  JKM. What value must the variable(s) have in each exercise? After you've found the value for each variable, decipher the code below for an important application of geometry.

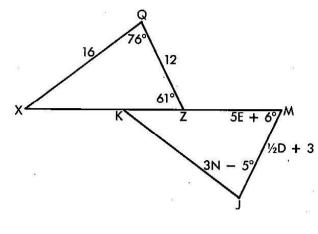
Note: Q, Z, X, J, K, and M are NOT variables.

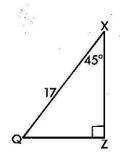


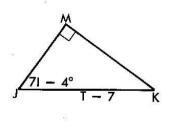












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