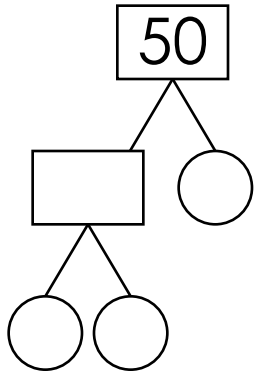


Name: _____

Factor Trees

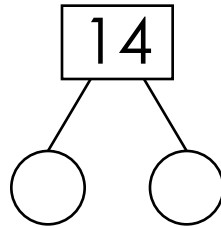
Complete the factor tree for each number to find the prime factors.

a.



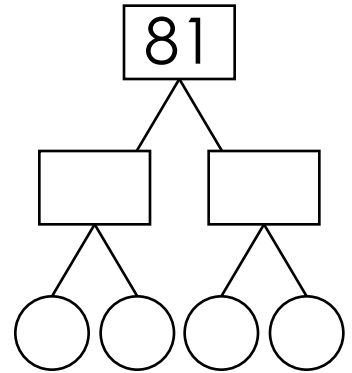
$$50 = _ \times _ \times _$$

b.



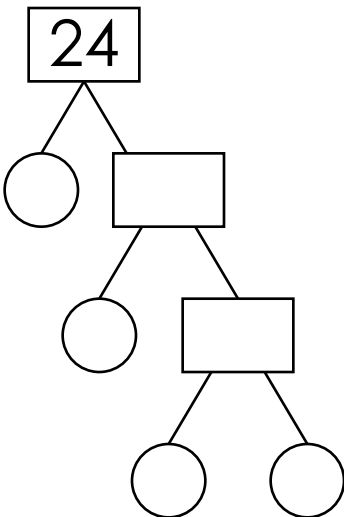
$$14 = _ \times _$$

c.



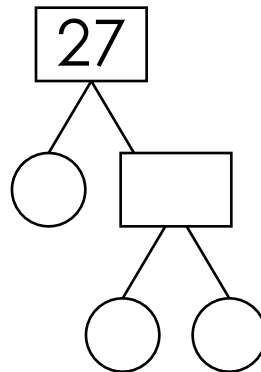
$$81 = _ \times _ \times _ \times _$$

d.



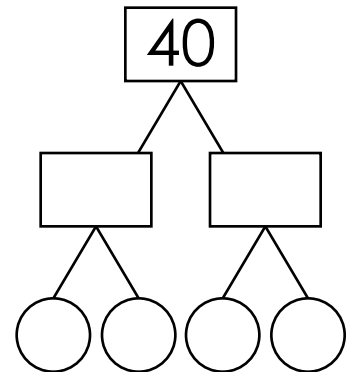
$$24 = _ \times _ \times _ \times _$$

e.



$$27 = _ \times _ \times _$$

f.



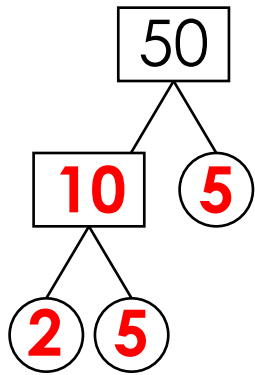
$$40 = _ \times _ \times _ \times _$$

ANSWER KEY

Factor Trees

Complete the factor tree for each number to find the prime factors.

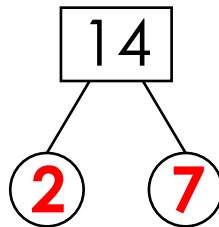
a.



$$50 = \underline{2} \times \underline{5} \times \underline{5}$$

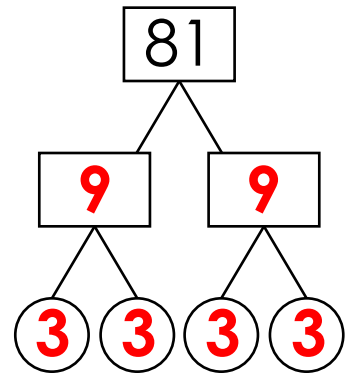
Note: In the first line, 2 & 25 could also have been used.

b.



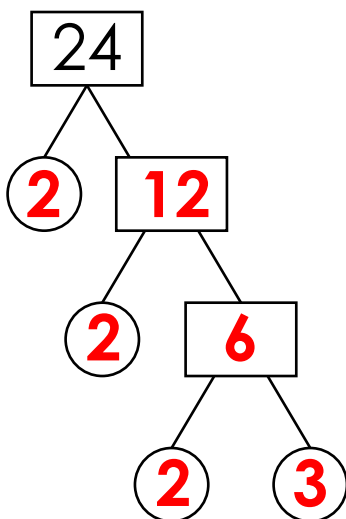
$$14 = \underline{2} \times \underline{7}$$

c.



$$81 = \underline{3} \times \underline{3} \times \underline{3} \times \underline{3}$$

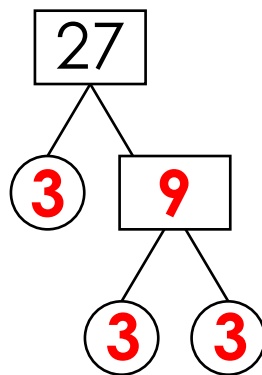
d.



$$24 = \underline{2} \times \underline{2} \times \underline{2} \times \underline{3}$$

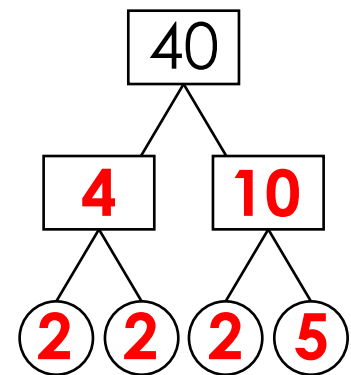
Note: In the second line, 3 & 4 could also have been used.

e.



$$27 = \underline{3} \times \underline{3} \times \underline{3}$$

f.



$$40 = \underline{2} \times \underline{2} \times \underline{2} \times \underline{5}$$

Note: In the first line, 8 & 5 could also have been used.