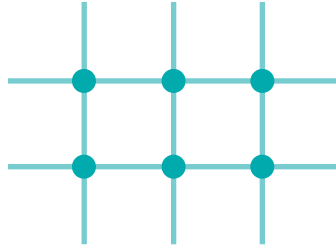


Writing Number Sentences for Intersecting Lines

NCTM Standards 1, 2, 6, 7, 8, 10

Fill in the blanks.

1



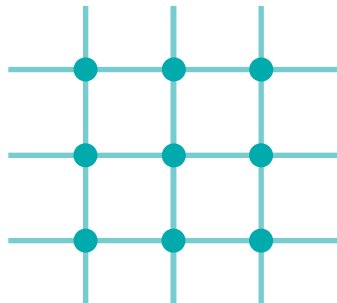
Number of lines:

$$\boxed{2} + \boxed{3} = \boxed{}$$

Number of intersections:

$$\boxed{2} \times \boxed{3} = \boxed{}$$

2



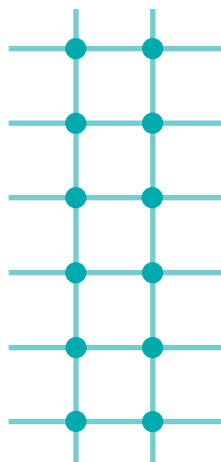
Number of lines:

$$\boxed{} + \boxed{} = \boxed{}$$

Number of intersections:

$$\boxed{} \times \boxed{} = \boxed{}$$

3



Number of lines:

$$\boxed{} + \boxed{} = \boxed{}$$

Number of intersections:

$$\boxed{} \times \boxed{} = \boxed{}$$

Complete the maps and the number sentences.

4



$$\boxed{6} + \boxed{} = \boxed{9}$$

$$\boxed{6} \times \boxed{} = \boxed{}$$

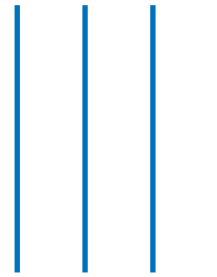
5



$$\boxed{} + \boxed{3} = \boxed{}$$

$$\boxed{} \times \boxed{3} = \boxed{15}$$

6



$$\boxed{} + \boxed{4} = \boxed{}$$

$$\boxed{} \times \boxed{4} = \boxed{16}$$



7 Phillip drew a map with 8 intersections. When he added the number of streets, he got an even number. Describe Phillip's map.

8 **Challenge** Find all the ways to make 24 intersections.

vertical horizontal

$$\boxed{} \times \boxed{} = \boxed{24}$$

$$\boxed{} \times \boxed{} = \boxed{24}$$

$$\boxed{} \times \boxed{} = \boxed{24}$$

$$\boxed{} \times \boxed{} = \boxed{24}$$

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