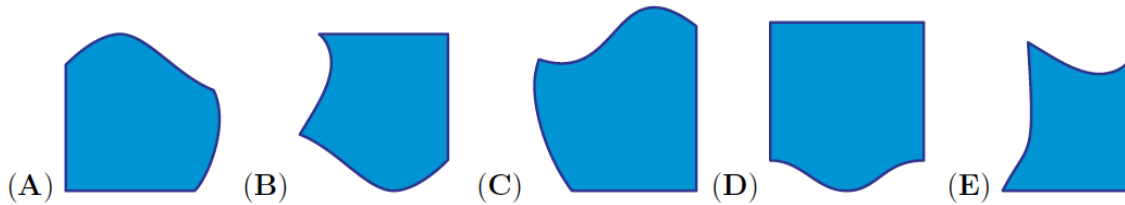


**Group A – Lesson 1**

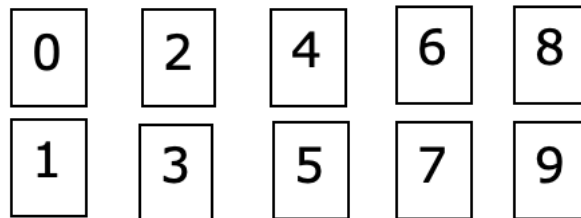
**Example 1**

Which piece fits in the empty space?



**Example 2**

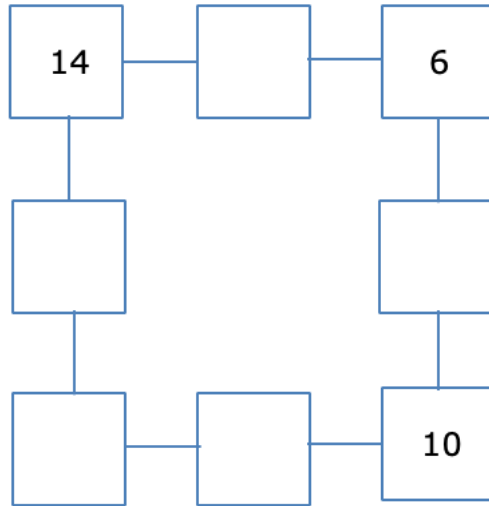
There are 10 number cards as shown below:



How many 3-digit numbers can you get from cards [0], [3] and [7]?

**Example 3**

Fill in each square with one of the following numbers 3, 7, 8, 11, 12 so that the sum of 3 numbers along each line is 28.



**Example 4**

Find the values represented by A and by B.

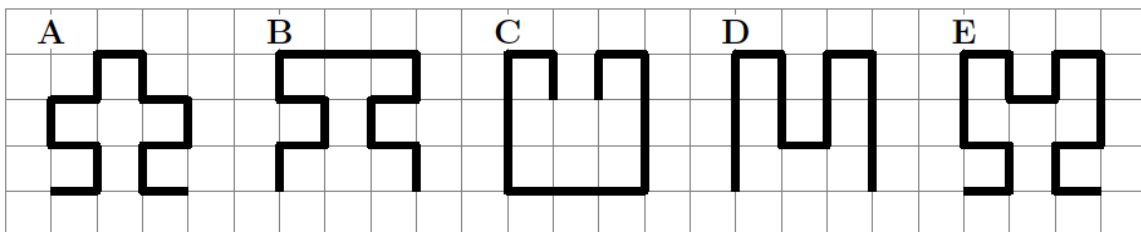
$$\begin{array}{r}
 \phantom{0}A \phantom{0}B \\
 + \phantom{0} \phantom{0}B \\
 \hline
 \phantom{0}B \phantom{0}A \\
 \hline
 \end{array}$$

**Example 5**

If today is Monday, which day of the week will it be 30 days later?

**Practice 1**

Which line is the longest?

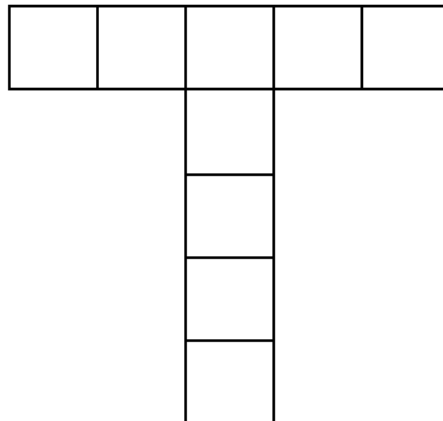


**Practice 2**

How many 2-digit numbers can you create by selecting any two numbers from the digits 5, 7, and 9?

**Practice 3**

Put one of 1, 2, 3, 4, ..., 8 or 9 in each square, so that the sum of the numbers in the horizontal row is equal to the sum of the numbers in the vertical column.



**Practice 4**

Find the value of each symbol.

$$\bigcirc \times \star = 24$$

$$\bigcirc - \star = 5$$

$$\bigcirc + \star + \triangle = 18$$

$$\triangle =$$

**Practice 5**

If the hour hand is pointing at 6 now, where will it point to 42 hours later?