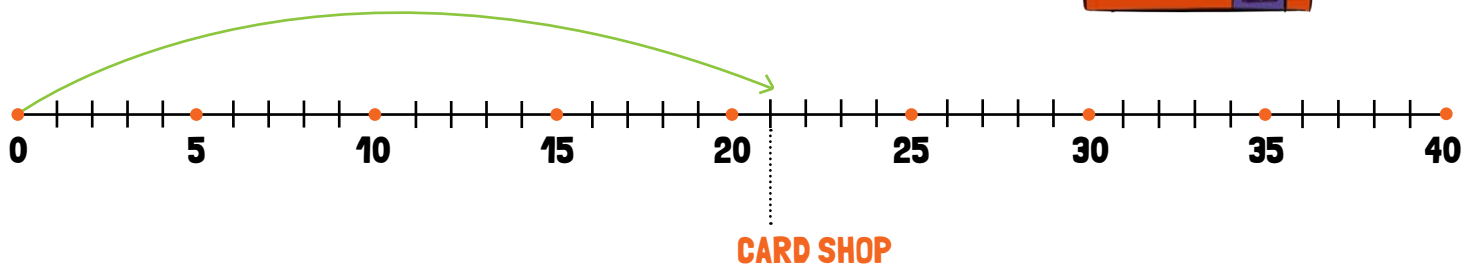


# USING A NUMBER LINE TO SOLVE METRIC MEASUREMENT PROBLEMS

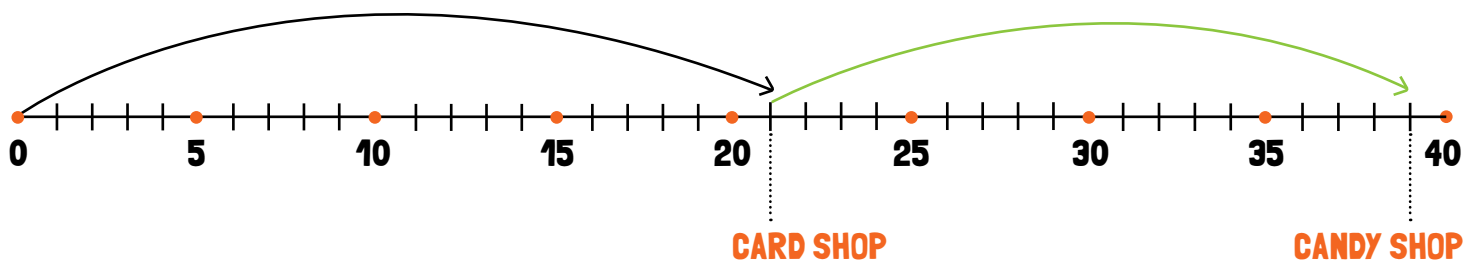
Addition

A number line is a good tool to use when solving problems about adding length. Read the problem below and follow the steps to solve the problem using the number line.

George and Annie walked 21 meters to get to the card shop. George stayed in the card shop while Annie walked 18 more meters to get to the candy shop. What was the total distance that Annie walked?



To solve the problem on a number line, you start at zero and draw an arrow to the first stop 21 meters down the number line.



Next, count 18 more spaces to get to the candy shop. The number that you end on is the answer to the problem.

$$21\text{m} + 18\text{m} = 39\text{m} \text{ so Annie walked } 39\text{m}.$$

Now, you try. Read the problems and use the number lines to help you solve them.

1

Wendy pulled out 17 centimeters of ribbon to tie on a package. It wasn't enough so she pulled out 15 more centimeters of ribbon. How much ribbon does she have now to tie on the package?

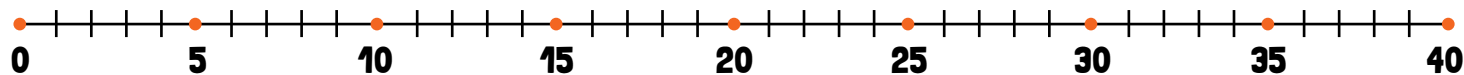


+  =  so Wendy has  cm of ribbon.



2

Mark lives at one end of Main Street. Sonya lives 6 km away from Mark. Rachel lives 11 km further down the street from Sonya. How far does Rachel live from Mark?



+  =  so Rachel lives  km away from Mark.