

Problems of the Day 2020

1 Mary makes toys

- On Monday she makes 7 toys.
- On Tuesday she makes 8 toys.

By Wednesday she has to make 20 toys in total.

How many toys does Mary need to make on Wednesday?



2 Here are some digit cards.



Mary makes a 2-digit number using two of the cards.

How many different numbers can she make?

3 Complete the number sentences.

$$60 + \boxed{} = 79$$

$$15 + 12 = 12 + \boxed{}$$

Mary makes toys

- On Monday she makes 7 toys.
- On Tuesday she makes 8 toys.

By Wednesday she has to make 20 toys in total.

How many toys does Mary need to make on Wednesday?

$$\begin{aligned} 7 + 8 &= 15 \\ 20 - 15 &= 5 \end{aligned}$$



Mary needs to make 5 toys.

Here are some digit cards.



Mary makes a 2-digit number using two of the cards.

How many different numbers can she make? **6 different numbers**
14, 15, 41, 45, 51, 54

Complete the number sentences.

$$60 + \boxed{19} = 79$$

$$15 + 12 = 12 + \boxed{15}$$

Language.

= sign means equal to. Both sides must be the same.

So $15 + 12$ (27) is equal to $12 + 15$ (27)

Look at the 10s and 1s of the total number. Can use a 10s/1s table or place value counters 7 tens. 9 ones.

Look at the numbers you are adding and their place value. 6 tens. 0 ones. = 60

You could either: count on to 79 using a number line.

OR look at place value. To make 7 tens you need 1 more ten. To make 9 ones you need 9 more one = 19