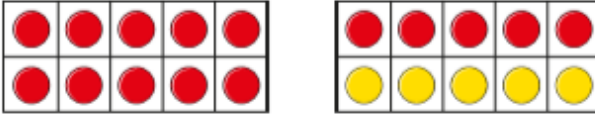**I** What calculations are represented?
The first one has been done for you.
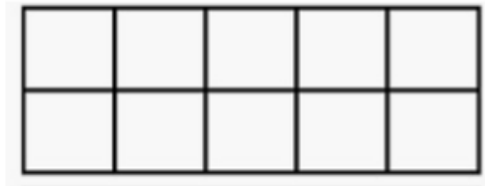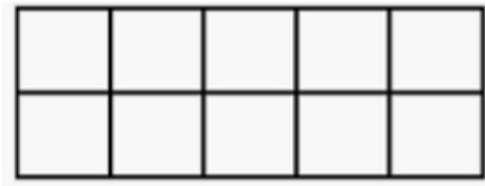
a)

15 + 5 = 20

b)

☐ + ☐ = ☐

c)

☐ + ☐ = ☐

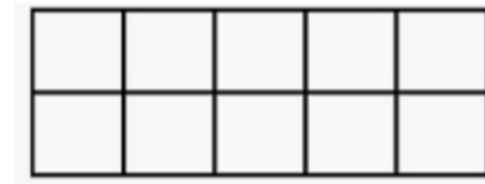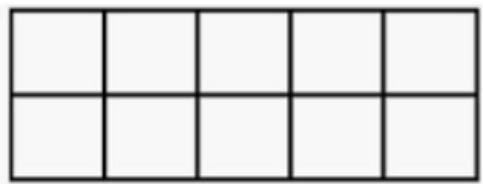d) How many other number bonds to 20 can you make using counters and ten frames?

Use two different colours to draw the dots into the tens frames. If you need to, you can draw more tens frames or print another sheet! Use what you know about number bonds to 10 to help you.

# Activity 1 - Addition and subtraction using tens frames and part whole models.
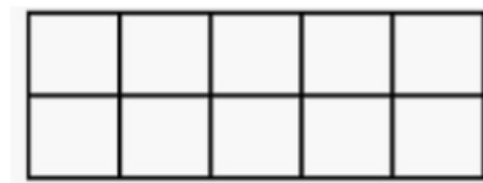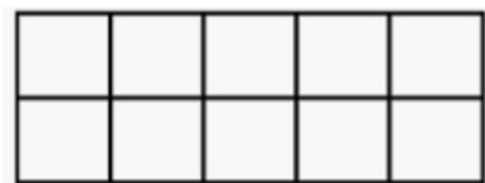
Remember; if one frame is full of dots, you know that there are 10. You do not need to count these! Put 10 in your head and count on from 10 to find the total number of dots.

[ ] + [ ] = [ ]

[ ] + [ ] = [ ]

[ ] + [ ] = [ ]

This is a part-whole model. The whole number goes in the top and the two parts which add up to the whole number go in the bottom.
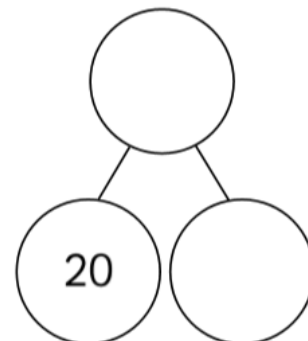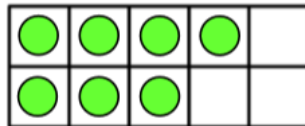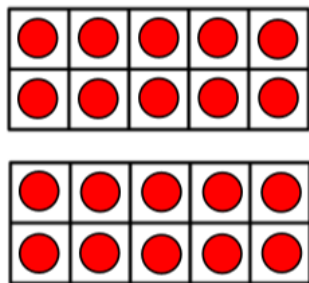
Start with the whole number and count back until you reach the part. How many did you count back? This is the missing part.

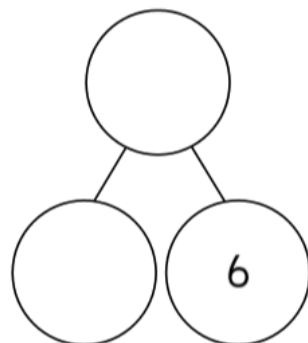1   Complete the part-whole models.
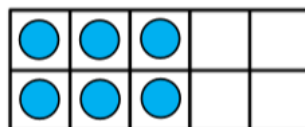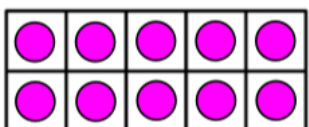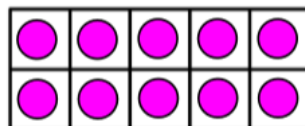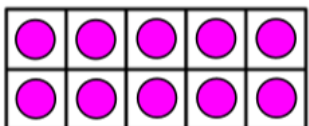
a

51

50

b

22

20

c

18

10

1   Complete the part-whole models using the ten-frames to help you.

a   The ten-frames represent red and green balloons.
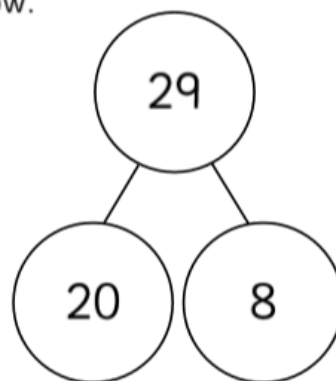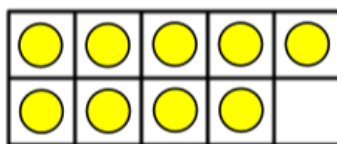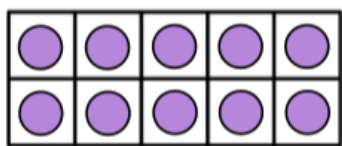Complete the part-whole model to show how many balloons there are in total.

20

b   The ten-frames represent pink and blue sweets.
Complete the part-whole model to show how many sweets there are in total.

6

2 Jane says there is a mistake in the part-whole model below.

## What mistake has been made?