Add by counting on

Use the number line to help you solve the following problems.

```
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
0   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16  17  18  19  20
```
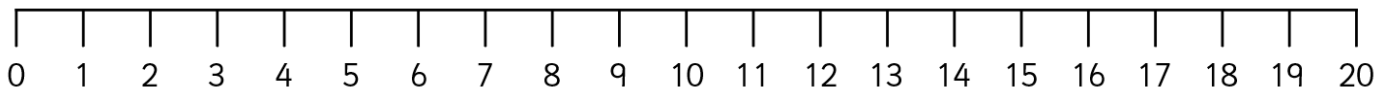
Start at 6. Count on 5.	Start at 4. Count on 8.	Start at 9. Count on 5.
☐ + ☐ = ☐	☐ + ☐ = ☐	☐ + ☐ = ☐
Start at 3. Count on 8.	Start at 5. Count on 7.	Start at 2. Count on 9.
☐ + ☐ = ☐	☐ + ☐ = ☐	☐ + ☐ = ☐
Start at 8. Count on 4.	Start at 1. Count on 10.	Start at 8. Count on 5.
☐ + ☐ = ☐	☐ + ☐ = ☐	☐ + ☐ = ☐
Start at 11. Count on 7.	Start at 14. Count on 4.	Start at 12. Count on 5.
☐ + ☐ = ☐	☐ + ☐ = ☐	☐ + ☐ = ☐
Start at 10. Count in 4.	Start at 13. Count on 6.	Start at 10. Count on 5.
☐ + ☐ = ☐	☐ + ☐ = ☐	☐ + ☐ = ☐

Find and make number bonds

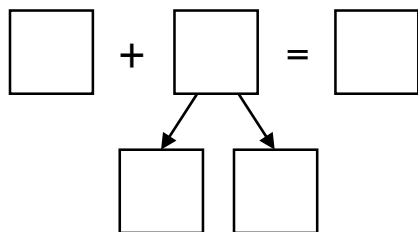Stick the calculations under the correct column. You may use equipment to help you.

Bonds that make 20	Bonds that do <u>NOT</u> make 20

9 + 11	13 + 7	16 + 4	16 + 5
20 + 0	3 + 17	13 + 8	6 + 13
14 + 5	8 + 13	12 + 8	12 + 6
5 + 15	18 + 3	4 + 15	7 + 14
7 + 13	6 + 15	2 + 18	17 + 3

Add by making 10

Calculation: ☐ + ☐ = ☐   so   ☐ + ☐ = ☐

☐ ☐

Show it:
```
|--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--|
0  1  2  3  4  5  6  7  8  9  10 11 12 13 14 15 16 17 18 19 20
```

Calculation: ☐ + ☐ = ☐   so   ☐ + ☐ = ☐

☐ ☐

Show it:
```
|--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--|
0  1  2  3  4  5  6  7  8  9  10 11 12 13 14 15 16 17 18 19 20
```

Calculation: ☐ + ☐ = ☐   so   ☐ + ☐ = ☐

☐ ☐
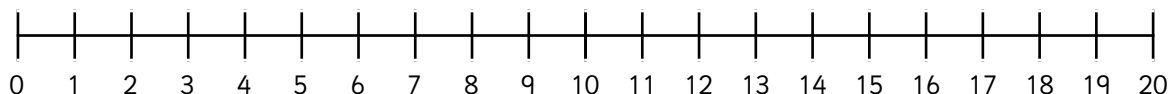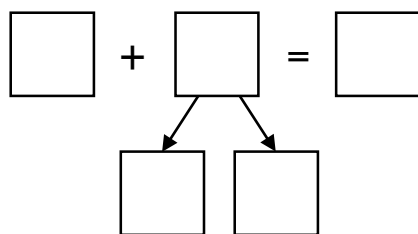
Show it:
```
|--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--|
0  1  2  3  4  5  6  7  8  9  10 11 12 13 14 15 16 17 18 19 20
```
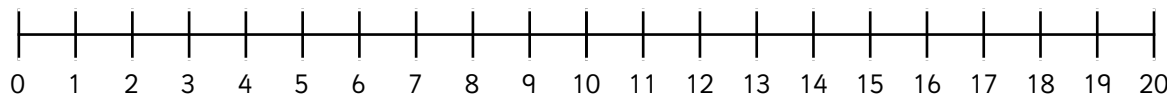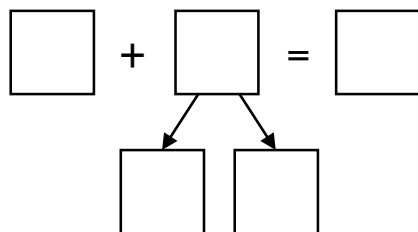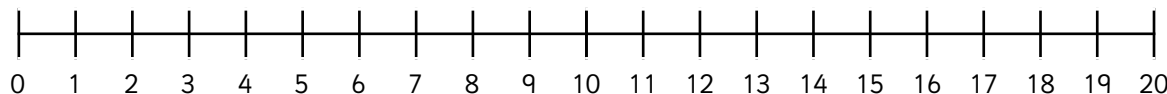
Add by making 10

Complete each calculation using the adding to make 10 method.
Use number frames to help you.

8 + 4	9 + 7	8 + 5
8 + 2 = 10 *10 + 2 = 12*		
6 + 7	2 + 13	3 + 8
8 + 6	4 + 12	9 + 3
6 + 11	7 + 8	5 + 14
9 + 4	5 + 11	8 + 9
2 + 9	7 + 5	4 + 14

Subtraction – not crossing 10

Stick a card to complete the calculation then solve it.

20 – [ ] = [ ]
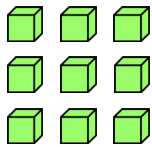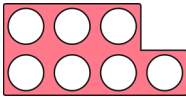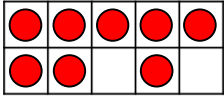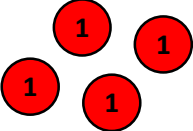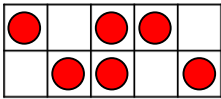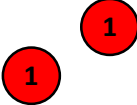
20 – [ ] = [ ]

20 – [ ] = [ ]

20 – [ ] = [ ]

20 – [ ] = [ ]

20 – [ ] = [ ]

Subtraction – not crossing 10

Roll a dice and write the number shown in the grey part.
Use subtraction to help you find the other part. You may use equipment to help you.

18

20

17

19

16

19

17

20

18
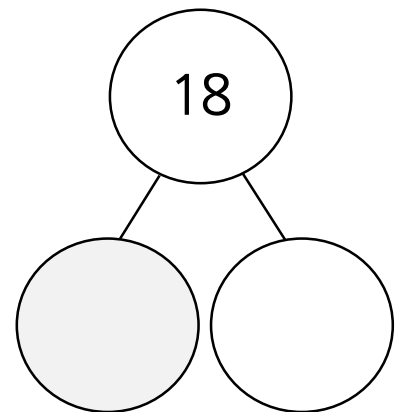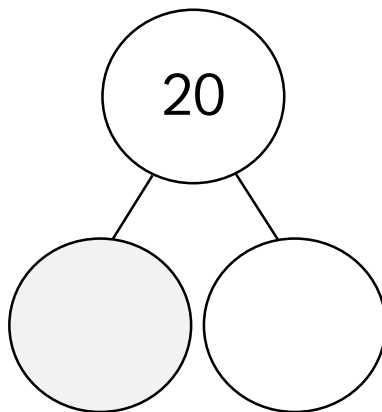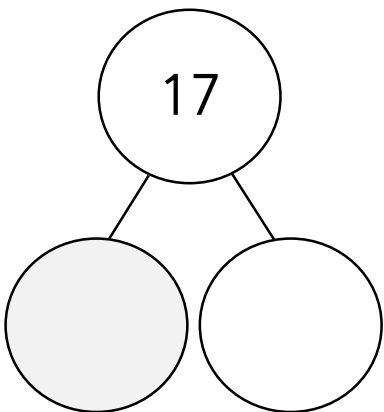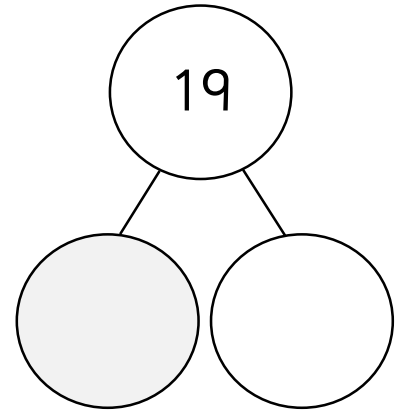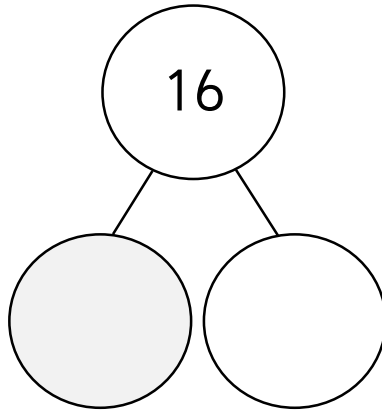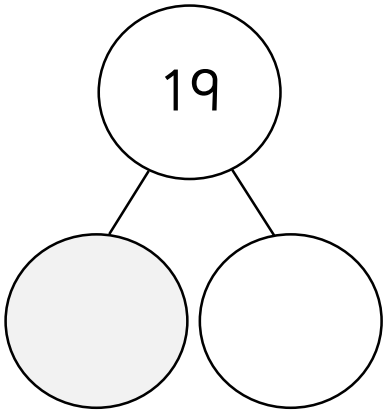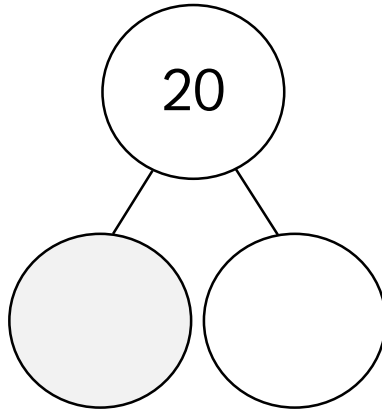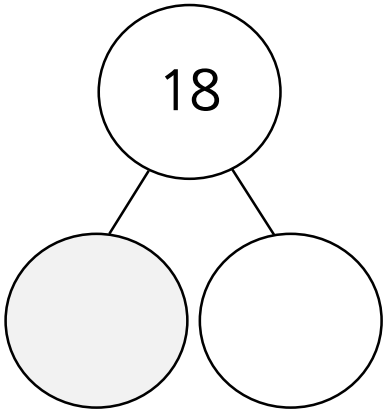
<u>Challenge</u>: Represent each subtraction…

☆   on a ten frame.
☆   on a number line.
☆   as a number sentence.

Subtraction – crossing 10

Look at the calculations below.
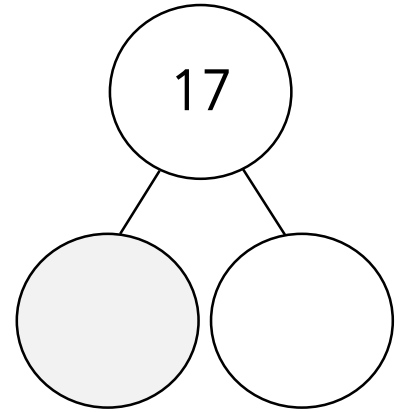Find the matching answers and stick it over the top.

14 – 6	11 – 5	13 – 5	16 – 9
11 – 7	12 – 8	18 – 9	12 – 5
19 – 10	14 – 9	13 – 8	13 – 7

eight	9	4	six
nine	8	five	seven
6	four	7	5

Related facts

Complete each fact family so it contains two addition and two subtraction calculations. The first one has been completed for you.

If I know 4 + 9 = 13 then I know… *9 + 4 = 13* *13 − 9 = 4* *13 − 4 = 9*	If I know 11 + ___ = 16 then I know…	If I know 15 + ___ = 18 then I know…
If I know 7 + 6 = ___ then I know…	If I know 12 + ___ = 17 then I know…	If I know 5 + 6 = ___ then I know…
If I know 14 + 5 = ___ then I know…	If I know 3 + ___ = 18 then I know…	If I know 2 + ___ = 15 then I know…
If I know 8 + 6 = ___ then I know…	If I know 10 + ___ = 16 then I know…	If I know 5 + 12 = ___ then I know…

Compare number sentences (addition)

Work in partners. Select a number sentence each and compare using < , > or =.
You may use equipment to help you.

Write your comparisons here...

13 + 4	fifteen + four	12 + 7
seven + nine	6 + 7	five + eight
10 + 8	14 + 5	twelve + three
eleven + six	8 + 6	four + nine

Compare number sentences (subtraction)

Work in partners. Select a number sentence each and compare using < , > or =.
You may use equipment to help you.

Write your comparisons here...

19 – 4	twelve – eight	16 – 8
thirteen – five	13 – 8	eleven – six
16 – 3	nineteen – seven	12 – 7
fifteen – nine	eighteen – ten	20 – 6