# Maths

Week Commencing 18/5/2020

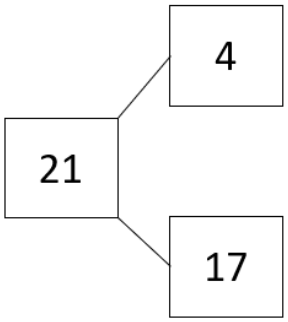
**Lesson 1**

**Learning Objective: To use part-whole models for addition**

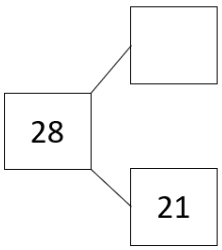
Using some of the previous strategies we have looked at, for example the 'Make ten strategy'. Use the part-whole models to help work out the answers to the addition equations. See the example done for you.

Use the number line and objects at home to support (e.g. sticks for tens and stones for ones).

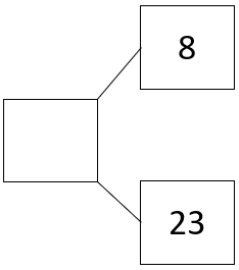
Write out and complete the equations in your workbook and draw the part-whole model to match.



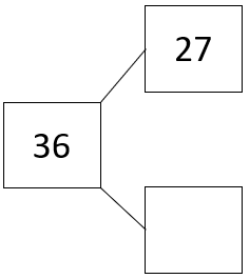

17 + 4 = 21



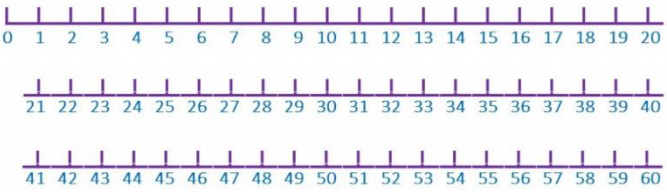

21 + __ = 28




23 + 8 = ___

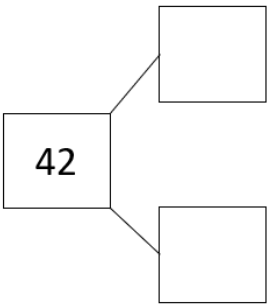



27 + __ = 36




**Challenge**

Answer




__ + __ = 42

Write as many possibilities as you can for addition equations that would equal 42.

For example – 20 + 22 = 42

**Lesson 2**

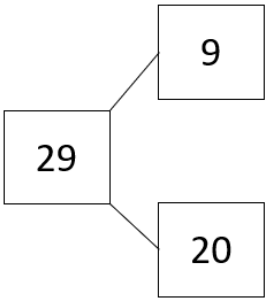
**Learning Objective: To use part-whole models for subtraction**

Using some of the previous strategies we have looked at, for example the 'Make ten strategy'. Use the part-whole models to help work out the answers to the subtraction equations. See the example done for you.

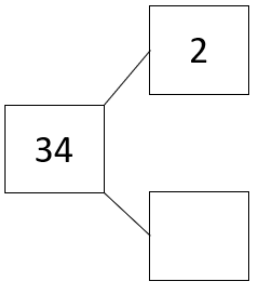
Use the number line and objects at home to support (e.g. sticks for tens and stones for ones).

Write out and complete the equations in your workbook and draw the part-whole model

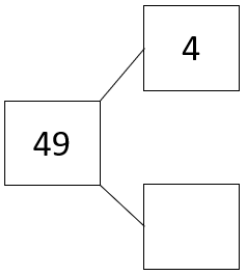
to match.



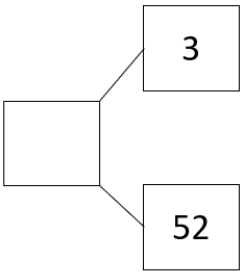

29 – 20 = 9



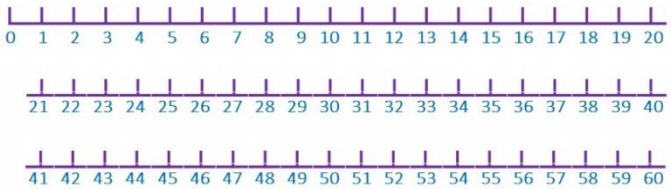

34 - 2 = ___




49 - 4 = ___

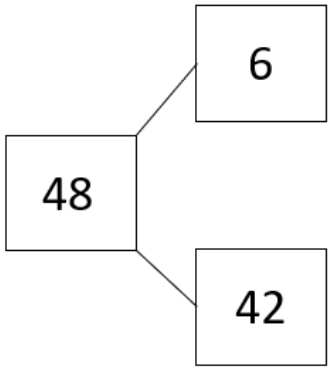



___ - 3 = 52




**Challenge**

Answer

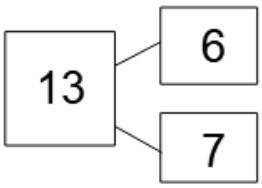



Write all the possible addition and subtraction equations for this part-whole model.

**Lesson 3**

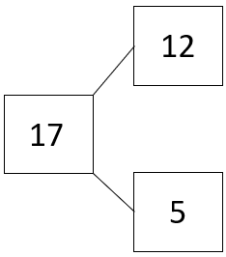
**Learning Objective: To explore addition and subtraction**

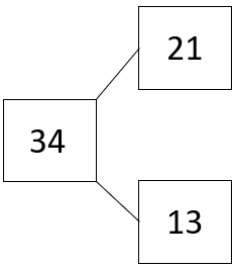
When exploring addition and subtraction using part-whole models, there are a number of possible equations that can be written for 1 part-whole model. See the example below.

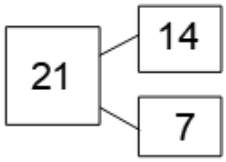


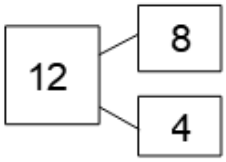

Use this model to write 4 addition and 4 subtraction equations for the part-whole models below in your workbook.

Remember to use the number line and objects to support if needed.

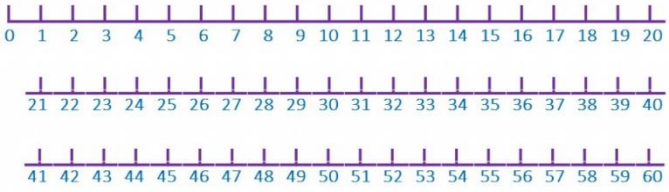


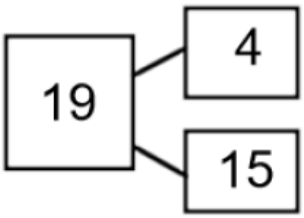




6 + 7 = 13 13 - 6 = 7
7 + 6 = 13 13 - 7 = 6
13 = 6 + 7 7 = 13 - 6
13 = 7 + 6 6 = 13 - 7




**Challenge**




Spot and correct the mistakes in the equations below to match the part-whole model.

| | |
|---|---|
| 4 + 5 = 19 | 15 = 19 – 4 |
| 5 + 4 = 19 | 4 - 15 = 19 |
| 5 = 19 + 4 | 19 – 15 = 4 |
| 19 = 4 + 5 | 4 = 19 - 15 |

**Lesson 4**

**Learning Objective: To solve addition in a context**

We are going to use the idea of making different bracelets for a school fayre to work out different addition equations. The bracelets will have different coloured beads at different prices which are set out in the table below.

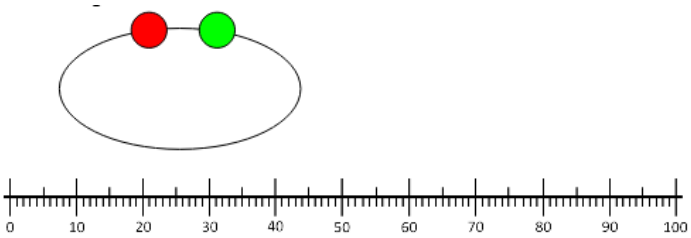
| | |
|---|---|
| Red bead | 7p |
| Blue bead | 4p |
| Green bead | 8p |
| Yellow bead | 5p |
| Black bead | 2p |

What is the most expensive bead?

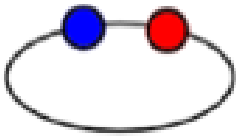
The most expensive bead is _____ .

I know this because _____ .

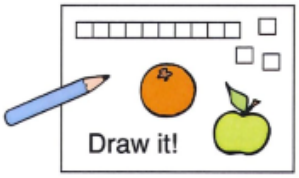
For example the equation for this bracelet would be the following – 7p + 8p = 15p




Remember to use the 'Make ten strategy' to work out your answers. Write the equations and answers in your workbook to match the bracelets below.



**Challenge**




Draw your own bracelet with a matching equation that equals 13.

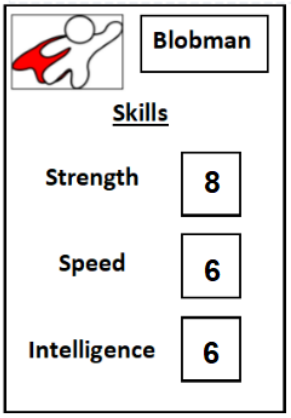
| | |
|---|---|
| Red bead | 7p |
| Blue bead | 4p |
| Green bead | 8p |
| Yellow bead | 5p |
| Black bead | 2p |

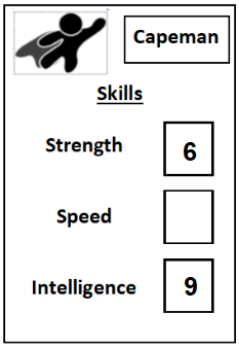
**Lesson 5**

**Learning Objective: To solve addition and subtraction in a context**

We are going to use the idea of making different Superhero cards for a game to work out addition and subtraction equations. Each superhero has a set of skills which must equal 20. See the example 'Blobman' and check it equals 20.

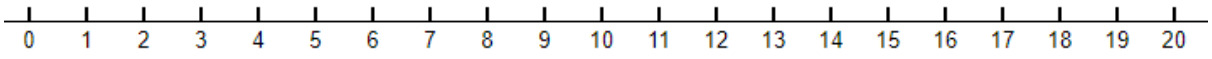
We need to work out the missing numbers but first we need to add the numbers together that we already have. Then we will subtract from 20 to work out the missing number.
Work out and write down the missing numbers and the equations to match for each card.
Use the number line to help.



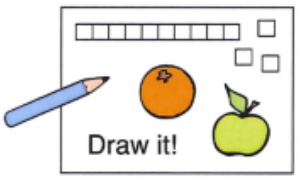



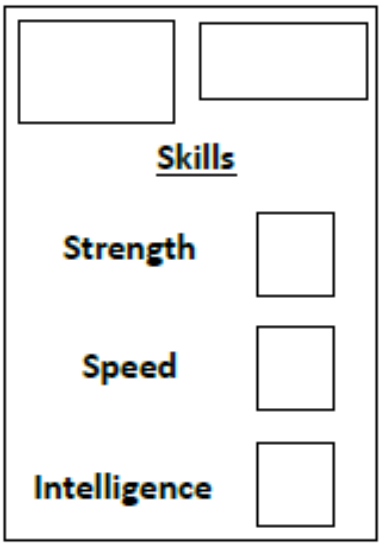

6 + 9 = 15

20 - 15 =




**Challenge**




Draw and write out your own superhero card where the 3 numbers equal 20.

Write the addition and subtraction equation to match it.