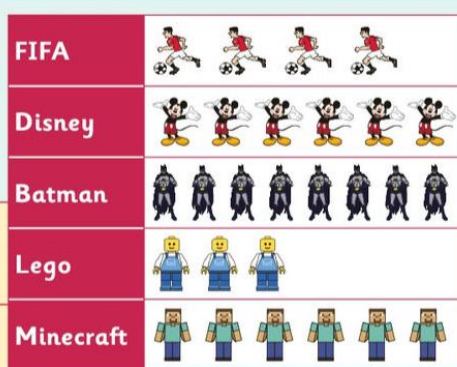


Problem Solving Fridays

As always, Friday means problem solving! Take a look at the data problems down below. Try your best to solve them. If you are stuck on any of them send me a message on Showbie!

Day One Look at the example below.

The pupils in Jane's class voted for their favourite computer game. This pictogram shows the results. How many pupils are there in Jane's class?



Circle the numbers and keywords: how many pupils?

Link with operation needed (+ or -): Add (+).

Use a strategy: Act it out.

Estimate and calculate:

Add the pictures: $4 + 6 + 8 + 3 + 6 = 27$

Answer:
27 pupils

Summarise how you got your answer:

I added the pictures in the pictogram.

Try these.



- 1 Look at the pictogram above. Find the game that got the most votes. How many votes did it get?

Answer: Marks: /2

- 2 Find two games that got the same number of votes. How many votes did they get altogether?

Answer: Marks: /2

- 3 Only 3 girls voted for the FIFA and Lego games in total. How many boys voted for these games?

Answer: Marks: /2

Problem Solving Fridays

Day One Study the steps used to solve the problem in the example below.

How many ice-cream cones in total were sold at this ice-cream parlour?

Chocolate		Strawberry	
Vanilla		Banana	
Mint			



Circle the numbers and keywords:

3, 10, 8, 5, 2, ice-cream cones, sold

Link with operation needed (+, -, × or ÷): **Total** means add (+).

Use a strategy: Visualise.

Estimate and calculate:

My estimate:
5 groups of 5 = 25

$$3 + 10 + 8 + 5 + 2 = 28$$

Answer:
28

Summarise and check how you got your answer:

I double-checked my answer by counting on.

Try these.

- Based on the pictogram above, what is the difference between the most popular and the least popular flavours of ice-cream?
- (a) Which flavour sold more than banana, but less than strawberry?

(b) Which two flavours have a combined total of 13? (There is more than one answer.)
- If 24 more ice-cream cones were sold that evening, how many were sold in total?



Answer: Marks: /1

Answer: (a)

(b) Marks: /2

Answer: Marks: /3