TASK 1:

Jackie writes down the colour of all the cars in a car park. Here is her list:

~~red~~	black	black	blue
blue	silver	orange	silver
green	blue	red	red
black	black	silver	green
green	purple	red	red
black	green	blue	red
silver	black	pink	blue
blue	red	red	silver

She needs to organise this data so it is easier to visualise.

A **frequency table** lists how many cars there are of each colour.

colour	tally
red	l
black	
blue	
green	
silver	
other	

Go through the data in order crossing off each car and putting a tally mark in the correct row.

TASK 2:

Jackie writes down the colour of all the cars in a car park. Here is her list:

red	black	black	blue
blue	silver	orange	silver
green	blue	red	red
black	black	silver	green
green	purple	red	red
black	green	blue	red
silver	black	pink	blue
blue	red	red	silver

She needs to organise this data so it is easier to visualise.

A **frequency table** lists how many cars there are of each colour.

colour	tally	frequency
red	ЖЖ III	
black	ЖЖ I	
blue	ЖЖ I	
green	IIII	
silver	ЖЖ	
other	III	

Fill in the frequencies.
Check they add up to 32, the number of cars in the survey.

TASK 3:

Here are the marks scored by a class in their last mental arithmetic test.

7	13	20	1	19	19
19	15	12	9	18	14
2	8	15	12	7	11
10	17	15	9	16	15

Why is it not a good idea to tally the results in this table?

score	tally	frequency
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

TASK 4:

Here are the marks scored by a class in their last mental arithmetic test.

7	13	20	1	19	19
19	15	12	9	18	14
2	8	15	12	7	11
10	17	15	9	16	15

score	tally	frequency	
1 - 4		☐	◀ ▶
5 - 8		☐	◀ ▶
9 - 12		☐	◀ ▶
13 - 16		☐	◀ ▶
17 - 20		☐	◀ ▶

Why is it not a good idea to tally the results in this table?

There are **too many categories**. A lot of the scores only come up once or twice. It will be hard to get an overview of how the class did.

It makes more sense to **group** the scores.

You won't be able to tell exactly what each student got but you will get an idea of how the class did overall.

Click the values to cancel them out and click the arrows to add tally marks.

Fill in the frequency column.