

Tally Marks and Frequency Tables

Be able to use tally marks to count and make up frequency tables.

Making a **tally table** (frequency table) makes it easier to understand lists of information.

Example

The colour of children's eyes can be shown in a list,

blue brown green blue hazel
blue green blue green brown
brown hazel green grey blue

but isn't it easier to read the same information from a tally table?

Eye Colour	Tally	Total
blue		5
brown		3
green		4
grey		1
hazel		2

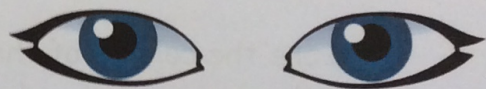


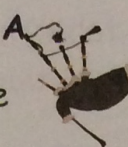
3 children have brown eyes.

these are called **tally marks**


Exercise 2

- From the tally table above :-
 - How many children have **green** eyes?
 - How many children have **blue** eyes?
 - How many children have **grey** eyes?
 - What is the most **popular** colour of eyes?
 - How many **more** children have **green** eyes than **hazel** eyes?
 - How many **less** children have **grey** eyes than **brown** eyes?
 - What is the **total** number of children with **blue** or **brown** eyes?
 - How many children **altogether** took part in the survey?



2. People were asked to name any Scottish town starting with an  **A**
- a **Copy** the table and complete the **total column**.
- b How many people were asked ?

Town	Tally	Total
Ayr		3
Aberdeen		...
Annan		...
Arbroath		...
Airdrie		...

3. People were asked to name all **6** cities of Scotland.
- The table shows what they said :-
- a **Copy** the table and fill in missing **tally marks** and **totals**.
- b Find out which is **not** a city ? 
- c How many people gave a wrong answer ?

City	Tally	Total
Dundee		5
Inverness		...
Glasgow	8
Edinburgh	7
Stirling		...
Perth		...
Aberdeen	3

4. Here are the colours of the dresses the girls wore to their school dance.

pink	black	blue	blue
red	black	black	black
orange	blue	red	red
blue	red	orange	red
black	orange	pink	black

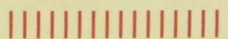
Colour	Tally	Total
orange
Red
Black
Blue
Pink

- a **Copy** the tally table and fill in all the **tally marks** and **totals**.
- b Which colour of dress did **most** girls wear ?
- c How many girls were asked about the colour of their dress ?
- d How many girls did **not** wear a black dress ?



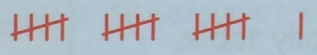
5. Use **tally marks** to show the number :-

- a 3 (= III) b 2 c 5 d 6
 e 8 f 9 g 10 h 15.

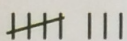
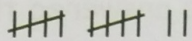
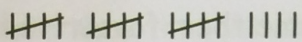
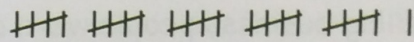
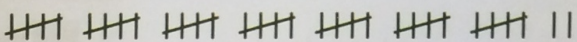
Count these tally marks . (15 or 16 ?)

It is too easy to lose count with bigger numbers !

It is better to put tally marks in groups of 5's.

 (16 in total)
 5 5 5 1

6. What **numbers** do these tally marks show ?

- a  b 
 c  d 
 e 

7. In the same way, use **tally marks** to show these numbers :-

- a 5 b 7 c 10 d 15
 e 17 f 20 g 26

Worksheet 25.5

8. Using tally marks in **groups of five**, make a **tally table** to show the responses to "what's your favourite flower ?"

Rose	Tulip	Pansy	Daffodil	Pansy
Pansy	Rose	Tulip	Pansy	Pansy
Tulip	Pansy	Tulip	Tulip	Daffodil
Marigold	Tulip	Rose	Daffodil	Marigold
Rose	Daffodil	Tulip	Tulip	Daffodil
Tulip	Pansy	Tulip	Rose	Daffodil

Flower	Tally	Total
Rose		
Pansy		

