

Outcome 1 - Frequency Tables & Bar Graphs

Bronze example

Examples...

The shoe sizes for a group of students are recorded below;

9	7	9	8	7	7	5
9	7	6	10	7	6	7

Draw a tally frequency table for these results.

Size	Tally	Freq.
5	I	1
6	II	2
7	IIII	4
8	I	1
9	IIII	5
10	I	1
Total		14

Silver example

Examples... The number of visitors to a local library was recorded each day for two weeks. The results are shown below;

24	38	55	33	49	50	64
72	65	47	34	44	48	40

Draw a tally frequency table for these results.

****Choose suitable intervals****

Age	Tally	Freq.
20-29	I	1
30-39	III	3
40-49	IIII	5
50-59	II	2
60-69	II	2
70-79	I	1
Total		14

Gold example

Examples...

The table shows the different sports a group of people like to watch on television. Illustrate this information in a bar graph.

Football	Tennis	Rugby	Cricket
10	6	4	8

1. Give your graph a title
2. Choose an appropriate scale

For this graph, going up in 2's.

3. Draw your bars and label them.

****Remember to EVENLY space your bars****

Bronze Questions

Draw tally frequency tables for the following data sets...

1. Ages of children at a youth club...

11	10	12	11	10
12	13	12	10	12

2. Number of exams being sat by a group of S4's.....

6	4	6	6	5	7
7	8	6	7	7	6

3. Ages of the members of a seniors bowling club...

62	61	67	62	64	62	63
64	67	66	62	67	63	68

4. Scores in a Rigour Check-up...

6	6	5	8	7	10	9	9
7	8	3	8	10	9	8	8

Silver Questions

Draw tally frequency tables for the following data sets...

1. Number of students at supported study...

53	68	38	41	50
56	63	58	32	52

2. Number of customers in a shop...

34	46	57	45	33	68
59	44	34	31	63	78

3. The number of people visiting a stall...

22	19	12	8	23	33	29
47	21	7	15	34	48	17

4. The number of people in a cinema...

78	54	83	60	54	83	98	43
73	58	45	98	93	76	84	91

Gold Questions

Construct neat bar graphs for the information below...

1. Favourite Subject

English	Maths	P.E.	Music
2	16	8	12

2. Equipment most used at the gym

Treadmill	Bike	Rowing	Weights
9	4	2	11

3. Ways of getting to school

Car	Bus	Walk	Cycle
60	30	90	70

4. Different pets in class S3

Hamster	Cat	Dog	Goldfish
10	40	35	25