

So able to interpret and write an inequality

4. In this question you must choose y only from the numbers, $-3, -2, -1, 0, 1, 2, 3$.

- | | | | | | |
|---|------------|---|----------|---|-------------|
| a | $y > 1$ | b | $y < 0$ | c | $y \geq -1$ |
| d | $y \leq 1$ | e | $y > -3$ | f | $y \leq -2$ |
| g | $y > -2$ | h | $y < 1$ | i | $y \geq -3$ |

5. For each of the following given statements, make up your own inequality :-

Example :- the **maximum** crowd (C) at Hampden Park is set at 52 000.

$$\Rightarrow C \leq 52\,000$$

a The maximum permitted crowd (C) at Fir Park is set at 14 000.

$$\Rightarrow C \dots\dots\dots$$

b Voters have to be 18 years old or over.

(i) Brian is Y years old and **can** vote. $\Rightarrow Y \geq \dots$

(ii) Paula is T years old and cannot vote. $\Rightarrow \dots$



c The maximum number of passengers on a bus is 51. There were P people on the bus. $\Rightarrow \dots$

d The speed limit outside school buildings is now 20 mph. Cheryl was booked for speeding outside a school. She was travelling at V mph. $\Rightarrow \dots$



e A child's pedal car race has a maximum speed limit of 12 mph. The car was travelling at S miles per hour. $\Rightarrow \dots$

f A group booking for a Paintball competition needs to be a minimum of 6. Andi is booking his group of Y people. $\Rightarrow \dots$

g The cost of a train season ticket is £40. Beryl has £ M . She has got enough money with her to buy one. $\Rightarrow \dots$

h To win a penalty competition Nick requires to score at least 6 penalties. He didn't win! He scored P penalties. $\Rightarrow \dots$



i In a Maths test out of 20, a mark of 16 or more was regarded as a GREAT pass. Charles got a GREAT pass. He scored M marks out of 20. $\Rightarrow \dots$

j To heat pies in an oven requires the oven to be set at 220°C for 30 minutes. Sally had put pies in the oven for 30 minutes but had totally burned them. The oven temperature for the 30 minutes was T (°C). $\Rightarrow \dots$



k A computer game costs £40. Mary has £ x . Sid has £ y . By putting their money together they find that they have **more** than enough to buy the game. $\Rightarrow \dots$