

Block diagrams

- I** The block diagram shows children's favourite colours.



Use the block diagram to answer the questions.

- a) Which colour is most popular?

Yellow

- b) How many people chose blue as their favourite?

9

- c) Which colour is least popular?

Red

- d) How many people chose orange as their favourite?

9

- e) How many more people like yellow than orange?

2

- f) How many more people like yellow than red?

6

- g) How did you work out your answers to e) and f)?

- 2 The tally chart shows how many of each item there is.

Item	Tally	Total
Scissors	IIII	4
Glue	IIII III	9
Pens	IIII I	6

- a) Do the totals match the tallies?
Circle your answer.

Yes

No

- b) Use cubes to make towers showing how many scissors, glue and pens there are.
- c) Colour the block diagram using the tally chart and your cubes to help.

10			
9		IIII	
8		IIII	
7		IIII	
6		IIII	IIII
5		IIII	IIII
4	IIII	IIII	IIII
3	IIII	IIII	IIII
2	IIII	IIII	IIII
1	IIII	IIII	IIII
	Scissors	Glue	Pens

- 3 At the zoo, Mo keeps a record of how many big cats he sees.

Big Cat		Key
Leopard	IIII	IIII = 2 big cats
Cheetah	IIII	
Lion	IIII	
Tiger	IIII	

Dora has tried to show the same information on a block diagram but she has made a mistake.

- a) What mistake has Dora made?

10				IIII
9				IIII
8		IIII		IIII
7		IIII		IIII
6	IIII	IIII		IIII
5	IIII	IIII		IIII
4	IIII	IIII	IIII	IIII
3	IIII	IIII	IIII	IIII
2	IIII	IIII	IIII	IIII
1	IIII	IIII	IIII	IIII
	Leopards	Cheetahs	Lions	Tigers

- b) Complete the block diagram so that it is correct.