

# 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?

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

**c)** Which colour is least popular?

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

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

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

**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.

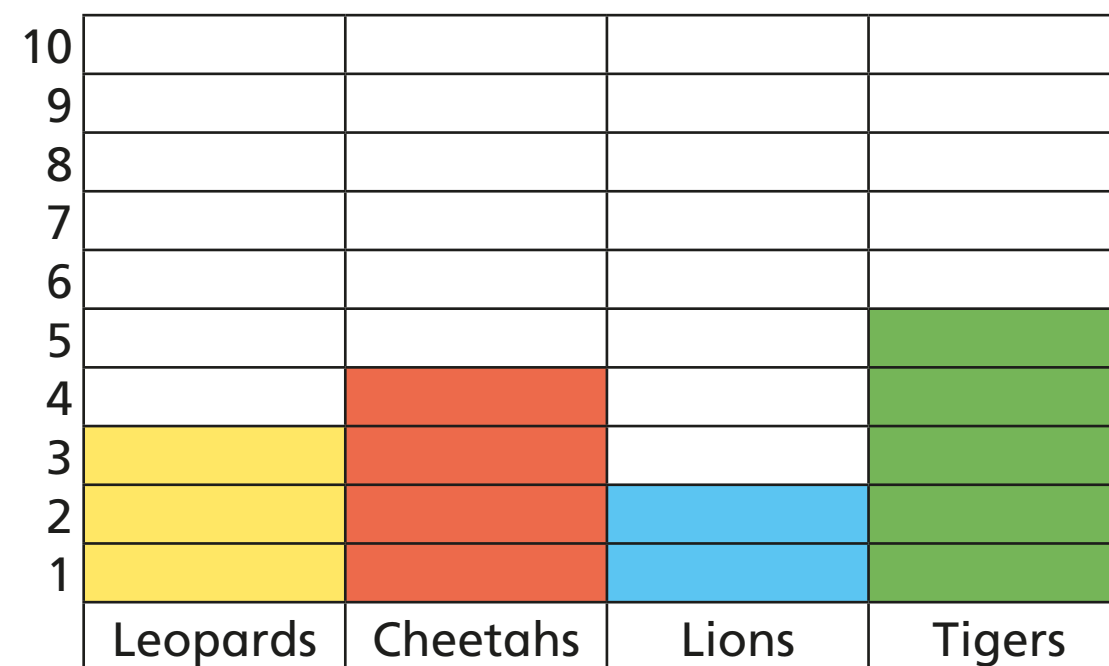


- 3 At the zoo, Mo keeps a record of how many big cats he sees.

Big Cat		Key
Leopard		= 2 big cats
Cheetah		
Lion		
Tiger		

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

- a) What mistake has Dora made?



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

