

Block Diagrams

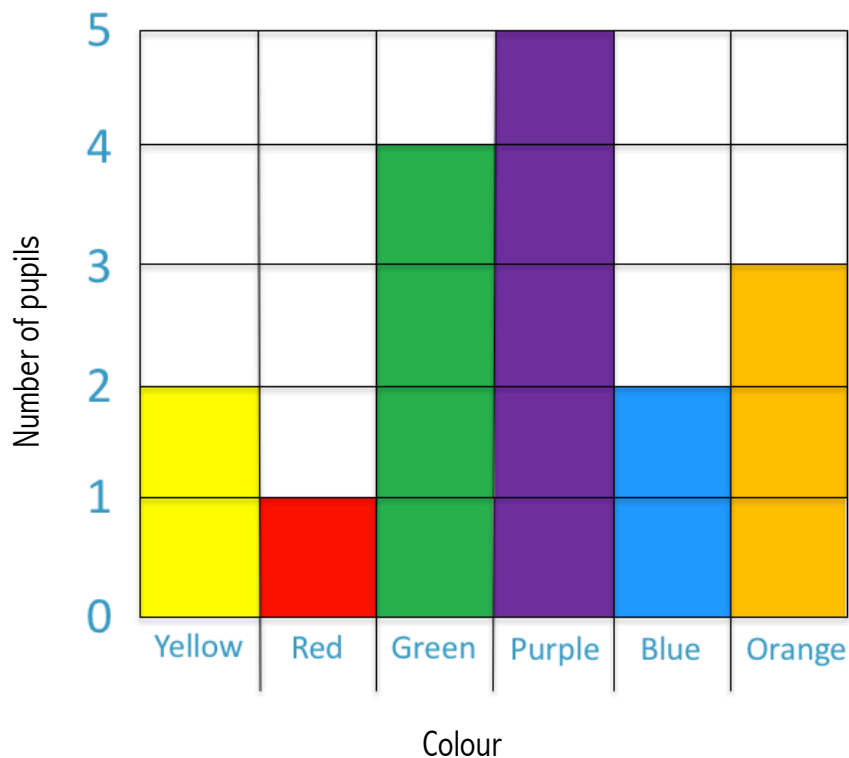
Answers

Children in a class were asked to choose their favourite colour.
The teacher put their results into a table.

Colour	Number
Yellow	2
Red	1
Green	4
Purple	5
Blue	2
Orange	3

Show the results in a block diagram

Block diagram to show pupils' favourite colours



Answer the following questions:

- 1) What is the most popular colour? **purple**
- 2) What is the least popular colour? **red**
- 3) What is the difference between the most popular and the least popular colour? **$5 - 1 = 4$**
- 4) What is the difference between the number of pupils who chose purple and number who chose blue as their favourite colour? **$5 - 2 = 3$**
- 5) How many more pupils chose green than yellow as their favourite colour?
 $4 - 2 = 2$
- 6) What is the total number of pupils in the class? **$2 + 1 + 4 + 5 + 2 + 3 = 17$**