Maths 3

Colour	Number of Smarties	Frequency
Green		7
Orange		8
Blue		5
Pink		6
Yellow		11
Red		8
Purple		7
Brown		3
	Key ⬤ = 2 smarties	

Draw a bar chart with a scale of 2.

Once your bar chart is finished, answer the following questions:

1. What was the most common smarties colour?

2. What was the least common smarties colour?

3. How many more orange smarties than blue?

4. How many smarties were pink and green?

5. How many smarties were there in total?

6. How many more yellow smarties than brown or red?

Step 2 (GREEN)

Colour	Number of Smarties
Green	🟢 🟢 🟢 🟢
Orange	🟠 🟠 🟠 🟠
Blue	🔵 🔵 🔵
Pink	🟣 🟣 🟣
Yellow	🟡 🟡 🟡 🟡 🟡 🟡
Red	🔴 🔴 🔴 🔴
Purple	🟣 🟣 🟣 🟣
Brown	🟤 🟤
	Key 🔴 =8 smarties

Draw a bar chart with a scale of 8.

Once your bar chart is finished, answer the following questions:

1. What was the most common smarties colour?

2. What was the least common smarties colour?

3. How many more orange smarties than blue?

4. How many smarties were pink and green?

5. How many smarties were there in total?

6. How many more yellow smarties than brown or red?

7. Were there more primary colours (red, yellow and blue) or secondary colours (orange, green, purple) of smarties?

Step 3 (BLUE)

Colour	Number of Smarties
Green	🟢 🟢 🟢 🟢
Orange	🟠 🟠 🟠 🟠
Blue	🔵 🔵 🔵
Pink	🟣 🟣 🟣
Yellow	🟡 🟡 🟡 🟡 🟡 🟡
Red	🔴 🔴 🔴 🔴
Purple	🟣 🟣 🟣 🟣
Brown	🟤 🟤
	Key 🔴 =8 smarties

Draw a bar chart of the above data choosing a sensible scale (cannot be 8).

Once your bar chart is finished, answer the following questions:

1. What was the most common smarties colour?

2. What was the least common smarties colour?

3. How many more orange smarties than blue?

4. How many smarties were pink and green?

5. How many smarties were there in total?

6. How many more yellow smarties than brown or red?

7. Were there more primary colours (red, yellow and blue) or secondary colours (orange, green, purple) of smarties?

8. How many more smarties were orange or purple than yellow?

9. How many less bars were brown than pink or blue?

10. What two colours of smarties equal 76 smarties?

11. What two colours of smarties equal 60 smarties? Is this the only solution? Prove it.