

Yummy Ice Cream in my Tummy!

Wayne and his friends are collecting data of how much ice cream Superb Gelateria sold in three days.

Superb Gelateria Ice Cream Sales			
Flavour	Thursday	Friday	Saturday
Rocky Ripple	7	25	35
Chock-Chock	6	30	42
Jack Frost	5	28	29
Cherry Bubble	2	13	15
King Kone	6	16	17



They have written some sentences using the data above.

Read the statements and mark as True (T), False (F) or No Information Given (NIG).

- In three days, Superb Gelateria sold 33 King Kone ice creams.
F (false). $6 + 16 + 17 = 39$ ice-creams
- On Wednesday, no Chock-Chock ice cream were sold.
NIG (no information given)
- The total number of ice creams sold on Thursday was 26.
T (true). $7 + 6 + 5 + 2 + 6 = 26$ ice-creams
- 27 more Rocky Ripples were sold on Saturday than on Thursday.
F (false). The difference is of 28 ice-creams.
- On Friday, a total of 13 Cherry Bubble flavoured ice cream was sold.
T (true).

Why do you think more ice creams were sold on Friday and Saturday?
(Give two reasons)

E.g.

a) More people go out on Friday and Saturday because it's the weekend.

b) Most children follow a healthy diet. Ice-cream is a sugary treat and usually eaten on special day and holidays.

c) It was quite windy on Thursday and few people went out for ice-creams.

Now predict the number of ice creams sold on Sunday, Monday and Tuesday. Record data in the table below.

Superb Gelateria Ice Cream Sales			
Flavour	Sunday	Monday	Tuesday
Rocky Ripple	70	<u>07</u>	6
Chock-Chock	84	<u>04</u>	5
Jack Frost	60	<u>03</u>	2
Cherry Bubble	30	<u>00</u>	2
King Kone	35	<u>00</u>	1

Think of two reasons to justify your predictions.

E.g.

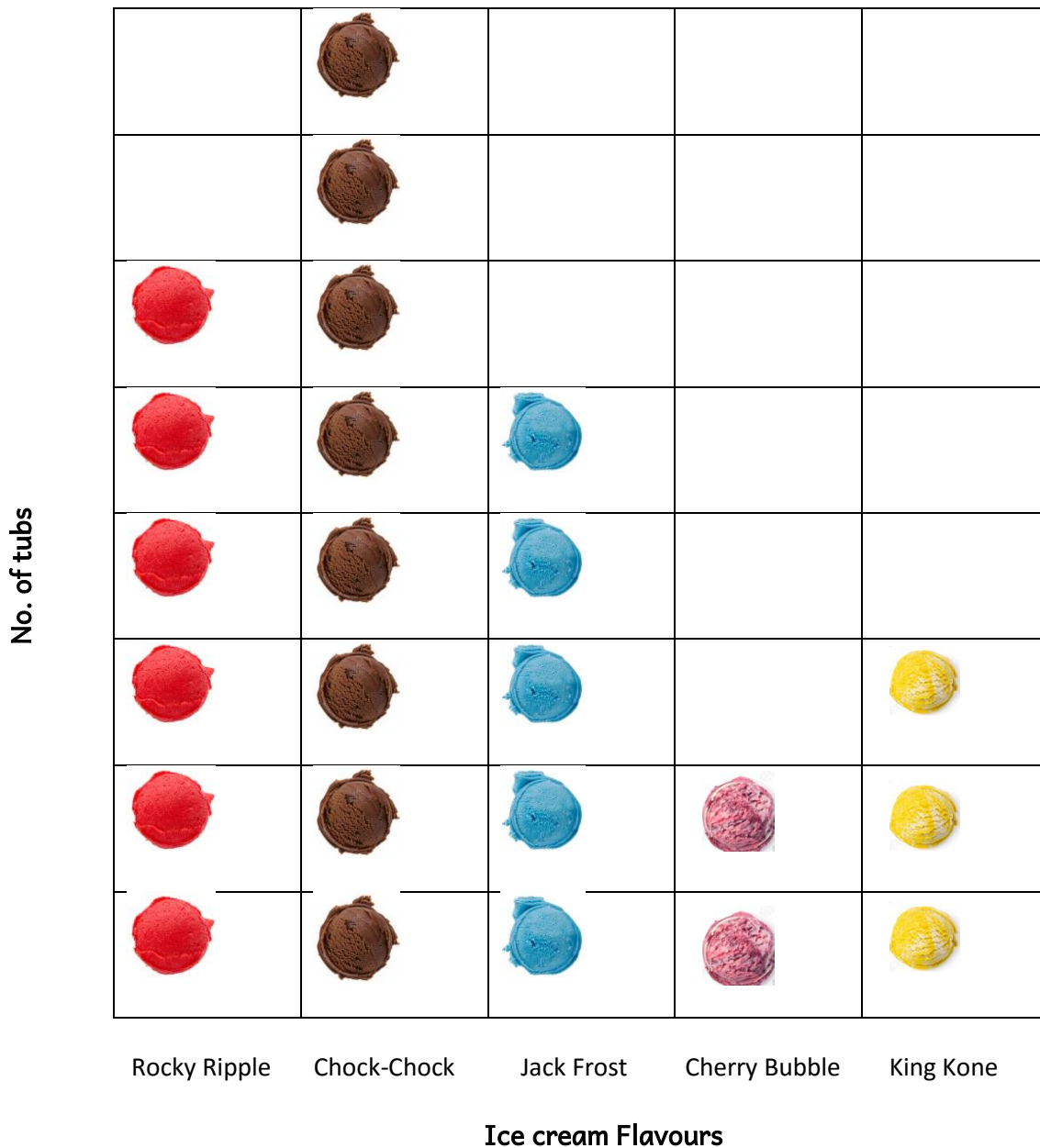
a) It is a known that Sunday is the most popular day of the week for people to eat ice-cream both in Summer and Winter. Therefore, I predicted that sales on Sunday are double the sales on Saturday.

b) Most ice-cream shops are closed on Monday so I predicted no sales ~~least sales~~ on Monday. Many people do not go out for ice-creams after the weekend.

c) Since Rocky Ripple and Chock-Chock are the most favourite flavours I predicted that if someone was going out for an ice-cream on a ~~Monday~~ or Tuesday they might go for the most favourite ice-cream.

The owner of Superb Gelateria asked you to study the collected data shown in the graph below about different flavoured ice cream sold in 1 week.

Tubs of ice cream sold in 1 week



Write a few statements to report this data.

Take note of the questions below to include in your report:

- How many tubs of ice cream are sold in 1 week?
- Which flavour is the company's best seller?
- If the company had to change one flavour which would it be and why?
- How can the company increase certain sales of certain flavours?

E.g.

- a) The Superb Gelateria sells approximately 24 tubs of ice-cream in a week.
- b) The Chocolate Ice-cream Chock-Chock remains the most favourite ice-cream whilst the Cherry Bubble is the least favourite ice-cream.
- c) Chock-chock sells four times as much as Cherry Bubble.
- d) Rocky ripple sells twice as much as King Kone.
- e) Lowering the price of the two least favourite flavours can increase the sales of these two flavours.
- f) Some clients may have never tried the Cherry Bubble and the King Kone so free samples may be given for clients to try these flavours.

