11-12 YEARS | WEEK 47
Math-Measurements

Fun with measurements
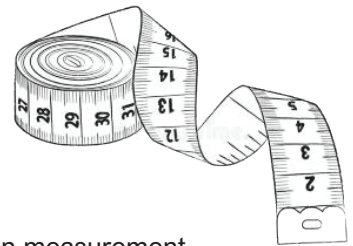
In the nine cards below, all measurement units are mixed up.

Only one measurement is common between adjacent cards. Can you find the common measurement units/ values between adjacent cards?

1 m	1000 m
1 gram	1000 grams

1 gal	1000 g
1 pint	12 inches

1 lb	8 fl oz
1 meter	2 cups

1 g	10 mm
1 foot	8 fluid ounces

1 cm	100 cm
1 quart	4 quarts

1 qt	12 in
1 pound	1000 meters

1 kg	5280 ft
1 cup	2 pints

1 ft	3 ft
1 mile	100 centimeters

1 c	4 qt
1 kilometer	3 feet

Answers

Row 1: 1000 g/grams   1 pint/2 cups

Row 2: 1gram/g   1gal/4 quarts   1lb/1 pound

Row 3: 10mm/1cm   1 quart/1 qt

Row 4: 8 fluid ounces/1 cup   100cm/100 centimeters   1000 meters/ 1 kilometer

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Organising Data

Radha threw a dice 40 times and noted the number appearing each time as shown below:

| 1 | 3 | 5 | 6 | 6 | 3 | 5 | 4 | 1 | 6 |

| 2 | 5 | 3 | 4 | 6 | 1 | 5 | 5 | 6 | 1 |

| 1 | 2 | 2 | 3 | 5 | 2 | 4 | 5 | 5 | 6 |

| 5 | 1 | 6 | 2 | 3 | 5 | 2 | 4 | 1 | 5 |

Draw a bar-graph indicating the number of appearances of each side

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1
2
3
4
5
6 |_____
  |
  |
  |
  |
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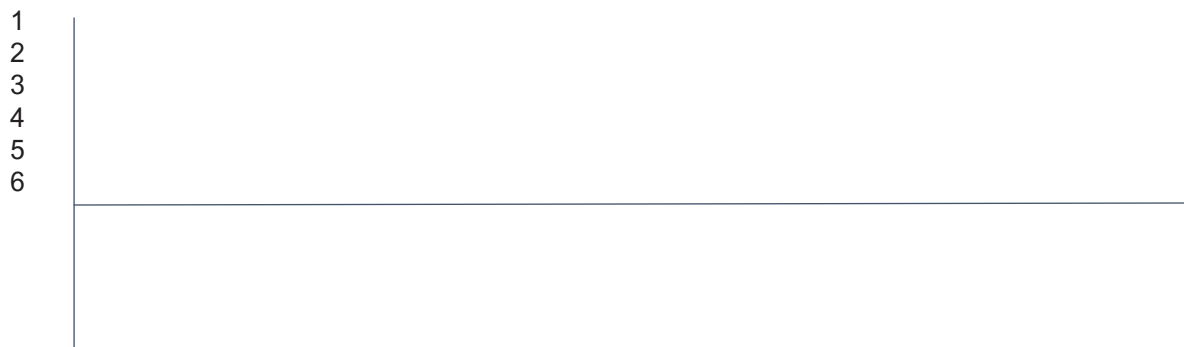
Find the number that appeared.

(a) The minimum number of times

(b) The maximum number of times

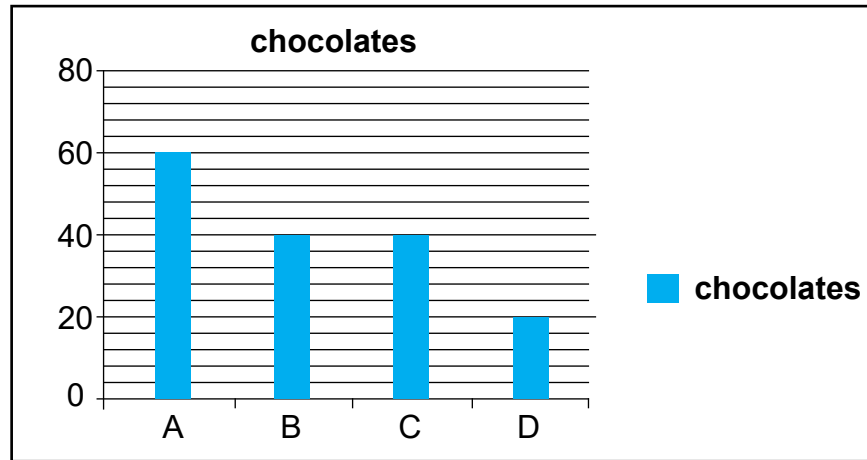(c) Find those numbers that appear an equal number of times.

Data handling

Solve using the chart

chocolates

80

60

40

20

0

A   B   C   D

chocolates

1. Which one has the maximum number of chocolates? _____

2. Which one has the minimum number of chocolates? _____

3. Which two have same number of chocolates? _____

4. What is the difference between the maximum and minimum numbers of chocolates? _____

5. Which three have more than 20 chocolates? _____

6. What is the difference in chocolates with B and D? _____

7. What is the difference in chocolates with B and C? _____

8. What is the total number of chocolates with B and D? _____

9. What is the total number of chocolates with A, C and D? _____

10. What is the total number of chocolates with all of them? _____

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