



11-12 YEARS | WEEK 47

Math-Measurements

1. Fun with measurements

2. Organising data

3. Data handling

4. Organising data

5. Measure and me

6. Home exploration

7. Calendar and holidays

8. Population of a village

9. Data handling

10. Fun with data

11. Can you tell - Bar graph

12. Architecture - Bridges

13. Architecture - Towers

14. Architecture - Symmetry

15. Architecture - Structures

16. Architecture - Design your house

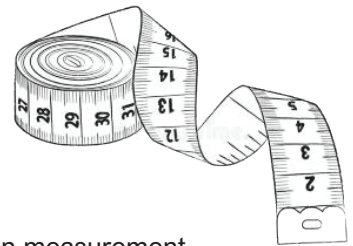
17. Graphs - Four in a row game

18. Can you tell

19. Solve

20. Data handling

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?

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 m</td><td>1000 m</td></tr> <tr><td>1 gram</td><td>1000 grams</td></tr> </table>	1 m	1000 m	1 gram	1000 grams		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 gal</td><td>1000 g</td></tr> <tr><td>1 pint</td><td>12 inches</td></tr> </table>	1 gal	1000 g	1 pint	12 inches		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 lb</td><td>8 fl oz</td></tr> <tr><td>1 meter</td><td>2 cups</td></tr> </table>	1 lb	8 fl oz	1 meter	2 cups
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Answers

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

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

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

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

Organising Data

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

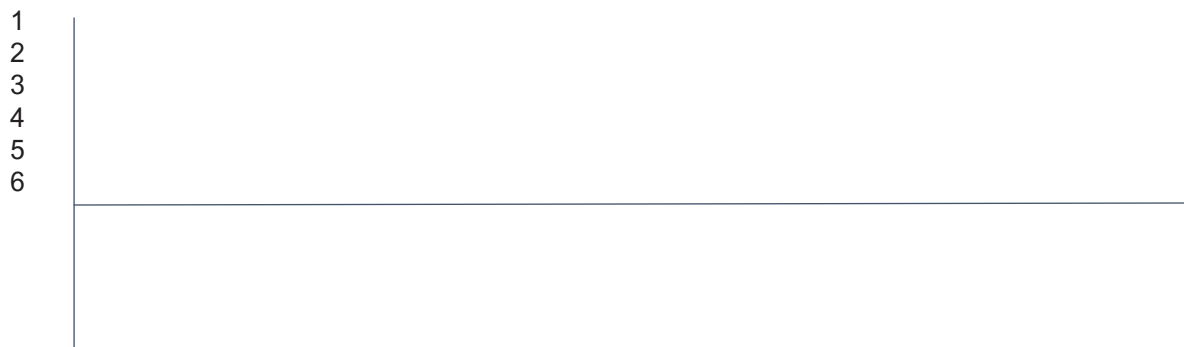
1 3 5 6 6 3 5 4 1 6

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



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.

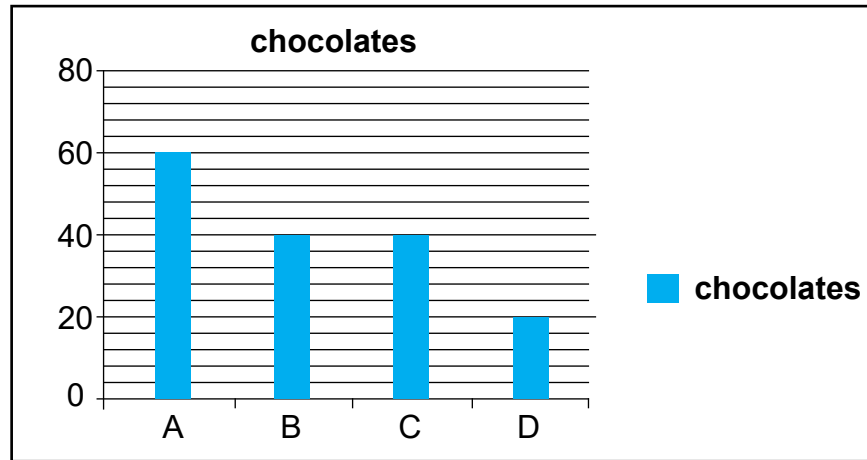
Answer
(a) 4 (b) 5 (c) 7



Data handling



Solve using the chart



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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