

REVISION # 4 – Answers

Unit # 15 – Mean or Average (Sec: A & B)

A) Fill in the blanks:

1. Average or mean = $\frac{\text{total amount}}{\text{number of items}}$

2. Total amount = Average or mean X number of items.

B) Find the average:

1	<p>8cm, 13cm, 3cm, 4cm</p> <p>Mean = $\frac{\text{total length}}{\text{number of items}}$ = $\frac{8+13+3+4}{4}$ = $\frac{28}{4}$</p> <p>Mean = 28cm ÷ 4 = 7</p> <p>Mean = 7cm</p>
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2	<p>130kg, 25kg, 140kg, 65kg, 35 kg</p> <p>Mean = $\frac{\text{total mass}}{\text{number of items}}$ = $\frac{130+25+140+65+35}{5}$ = $\frac{395}{5}$</p> <p>Mean = 395kg ÷ 5 = 79</p> <p>Mean = 79kg</p>
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Solve the following:

- 1. A baker sold 400 cakes from Sunday to Thursday. Find the average number of cakes he sold each day.**

Number of cakes = 400

Number of days = 5 days

$$\text{Mean} = \frac{\text{total no. of cakes}}{\text{number of days}} = \frac{400}{5}$$

$$= 400 \div 5 = 80$$

Mean / average = 80 cakes

- 2. The average mass of 4 boys is 35.5 kg. The mass of 3 of them are 36kg, 32kg, and 40kg. Find the mass of the 4th boy.**

Average mass of 4 boys is 35.5 kg

No. of boys = 4 boys

Total amount = mean/average X number of items (boys)

$$= 35.5\text{kg} \times 4$$

Total mass = 142kg

Mass of 4th boy = total mass – sum of 3 boys mass

$$= 142\text{kg} - (36\text{kg} + 32\text{kg} + 40\text{kg})$$

$$= 142 - 108 = 34$$

Mass of 4th boy = 34kg