

# Answers for Tuesday 28.04.2020

<p>1 Total of 5 numbers <math>= 5 \times 8 = 40</math></p> <p>Total of 3 numbers <math>= 3 \times 16</math> <math>= 48</math></p> <p>Average = <math>\frac{\text{Sum}}{\text{Number}}</math></p> $= \frac{48 + 40}{8}$ $= \frac{88}{8}$ $= 11$	<p>2 Total weight of 6 Pupils = <math>6 \times 40 \text{ kg}</math> <math>= 240 \text{ kg}</math></p> <p>Total weight after teacher joins them <math>= 240 + 54 = 294 \text{ kg}</math></p> <p>Average = <math>\frac{\text{Sum}}{\text{Number}}</math></p> $= \frac{294}{7}$ $= 42 \text{ kg}$	<p>3 Mean = <math>\frac{\text{Sum}}{\text{Number}}</math></p> $= \frac{56 + 64 + 60 + 62 + 83}{5}$ $= \frac{325}{5}$ $= 65\%$
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$$5 \quad \text{Average} = \frac{\text{Sum of data}}{\text{Number of data}}$$

$$11 = \frac{2+9+11+x+14+18}{6}$$

$$11 \times 6 = \frac{(54+x) \times \cancel{6}}{\cancel{6}}$$

$$66 = 54 + x$$

$$66 - 54 = 54 - 54 + x$$

$$12 = 0 + x$$

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$$x = 12.$$

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