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The number of quantities ~~given~~ given = 5

$$\text{Average} = \frac{391}{24} \div 5 = \frac{391}{24} \times \frac{1}{5} = \frac{391}{120}$$

Hw

9.11.21

4. $2\frac{3}{5} + 3\frac{3}{10} + 3\frac{1}{2} + \frac{2}{5} + \frac{9}{10} + 1\frac{1}{2}$

$$\frac{13}{5} + \frac{33}{10} + \frac{7}{2} + \frac{2}{5} + \frac{9}{10} + \frac{3}{2}$$

$$= 26 + 33 + 35 + 4 + 9 + 15$$

$$= \frac{122}{10}$$

The number of quantities given = 6

$$\text{Average of 6 numbers} = \frac{122}{10} \div 6$$

$$= \frac{61}{10} \times \frac{1}{3} = \frac{61}{30} = 2\frac{1}{30}$$

$$g. \frac{7}{12} + 2\frac{5}{6} + 5\frac{3}{4} + \frac{1}{2} + \frac{5}{12} + \frac{1}{6}$$

$$= \frac{7}{12} + \frac{17}{6} + \frac{23}{4} + \frac{1}{2} + \frac{5}{12} + \frac{1}{6}$$

$$= \frac{7 + 34 + 69 + 6 + 5 + 2}{12} = \frac{123}{12}$$

The number of quantity given = 6

Average of 6 numbers

$$= \frac{123}{12} \div 6 = \frac{123}{12} \times \frac{1}{6} = \frac{41}{24} = 1\frac{17}{24}$$

$$h. \frac{1}{4} + \frac{3}{4} + \frac{1}{2} + \frac{1}{6} + \frac{3}{8}$$

$$= \frac{6 + 18 + 12 + 4 + 9}{24} = \frac{49}{24}$$

The number of quantity given = 5

Average of 5 ~~no~~ numbers

$$= \frac{49}{24} \div 5$$

$$= \frac{49}{24} \times \frac{1}{5} = \frac{49}{120}$$

2.A) The rainfall for 1st year = 28.5 cm

The rainfall for 2nd year = 30.25 cm

The rainfall for 3rd year = 32.4 cm

The rainfall for 4th year = 31.6 cm

The rainfall for 5th year = 24 cm

The rainfall for 6th year = 30.25 cm

Average = $\frac{\text{Sum of the quantities}}{\text{Number of quantities}}$

$$= \frac{28.5 + 30.25 + 32.4 + 31.6 + 24 + 30.25}{6}$$

$$= \frac{177}{6} = 29.5 \text{ cm}$$

Thus the average rainfall of Jamshapur is 29.5 cm.

H.W.
9.11.21
3.A 8, 10, 12, 14, 16, 18, 20, 22

∴ The number of quantities = 8

Average of 8 numbers =

$$= \frac{8 + 10 + 12 + 14 + 16 + 18 + 20 + 22}{8}$$

$$= \frac{120}{8} = 15$$

4. A) 11, 13, 15, 17, 19, 21, 23, 25, 27, 29

∴ The numbers of quantities = 10

Average of 10 numbers.

$$= \frac{11 + 13 + 15 + 17 + 19 + 21 + 23 + 25 + 27 + 29}{10}$$

$$= \frac{200}{10} = 20$$