

Ten Minute Mental Maths Test 2 Answers

1) 11.25 litres

Calculate the total distance travelled

$$45 \text{ miles} \times 2 = 90 \text{ miles}$$

Step 2 – Calculate how much petrol is used over 90 miles

$$90/8 = 11.25 \text{ litres}$$

2) 60%

Step 1 – Calculate the number of pupils that got 15 or above

6 pupils (with scores of 15, 16, 20, 19, 18, 15)

Step 2 – Calculate the percentage of the total number of pupils

Total number of pupils = 10

$$100 \times 6/10 = 60\%$$

3) 0.45

4) 1615 hrs

5) 21

$$84 \times 25/100 = 21$$



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6) 12.5%

$$100 \times \frac{1}{8} = 12.5\%$$

7) $\frac{2}{13}$

$$\frac{20}{130} = \frac{2}{13}$$

8) £191.25

Step 1 – Calculate the total amount spent per pupil

$$£9.50 + £3.25 = £12.75$$

Step 2 – Multiply by 15 (pupils)

$$15 \times £12.75 = £191.25$$

9) £20.80

Step 1 – Sum the total amount spent

$$5 + 7 + 14 = 26$$

Step 2 - Apply the exchange rate

$$26/1.25 = £20.80$$

10) $\frac{2}{5}$

Step 1 – Calculate the number of girls

$$30 - 12 = 18$$

Step 2 – Calculate this as a fraction



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$$18/30 = 3/5$$

11) £40.50

Step 1 – Sum the total costs per child

$$£5.50 + £12.75 + £2.00 = £20.25$$

Multiply by 2 for the two siblings

$$£20.25 \times 2 = £40.50$$

12) 1345 hrs

90 minutes (1 hour and 30 minutes) before 1515 hrs is 1345 hrs

13) 0.9 miles

1 km : 0.6 mile

$$1.5 \times 0.6 = 0.9 \text{ miles}$$

14) 17.5

Step 1 – Calculate the total

$$14 + 16 + 18 + 19 + 20 + 15 + 20 + 18 = 140$$

Step 2 - Mean (the average) = Total/number of scores

$$140 / 8 = 17.5$$

15) £40.50



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$(30 \times 35p) + (40 \times 50p) + (50 \times 20p) = \text{£}10.50 + \text{£}20.00 + \text{£}10.00 = \text{£}40.50$



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