

Problem Solving & Word Problems: Medium Practice Paper 7

Q1. The table shows what two gyms charge. Someone joins for 8 months. Which gym is cheaper, and by how much?

Gym	Joining fee	Monthly charge
Gym A	£30	£15
Gym B	None	£20

- A. Gym B, by £30
- B. Gym B, by £10
- C. Gym A, by £20
- D. Gym A, by £10
- E. They cost the same

Q2. Ali, Beth and Cal have 24 marbles altogether. Ali has twice as many as Beth, and Cal has 4 more than Beth. How many marbles does Beth have?

- A. 6
- B. 5
- C. 4
- D. 10
- E. 8

Q3. One pound is worth 1.15 euros. How many euros would £40 be worth?

- A. 41.15 euros
- B. 44 euros
- C. 45 euros
- D. 55 euros
- E. 46 euros

Q4. The table shows two blocks of the same cheese. How much cheaper per 100 g is the larger block?

Block	Mass	Price
Small	250 g	£3.00
Large	400 g	£4.40

- A. 15p B. 5p C. 20p D. 12p E. 10p

Q5. A cake takes 25 minutes to prepare, 50 minutes to bake and 30 minutes to cool. It must be ready at 16:00. At what time should preparation start?

- A. 15:15 B. 14:45 C. 13:45 D. 14:15 E. 14:05

Q6. A plumber charges £45 for the first hour of a job and £28 for each hour after that. A job costs £185. How many hours did it take?

- A. 8 B. 5 C. 7 D. 4 E. 6

Q7. A wall measures 4 m by 2.5 m. It is covered with square tiles of side 50 cm. How many tiles are needed?

- A. 80 B. 20 C. 40 D. 25 E. 100

Q8. The table shows Ben's four test scores. What is his mean score?

Test	Score
1	68
2	75
3	82
4	71

- A. 75 B. 74 C. 73 D. 76 E. 72

Q9. A number is between 30 and 50. It is a multiple of 6 and its digits add up to 9. What is the number?

- A. 42 B. 36 C. 48 D. 45 E. 54

Q10. Twelve identical tins weigh 4.8 kg altogether. What do 7 of these tins weigh?

- A. 2.9 kg B. 2.4 kg C. 3.2 kg D. 2.8 kg E. 3.5 kg

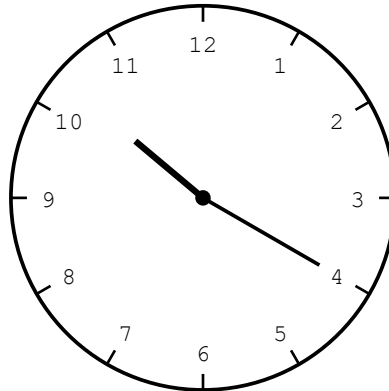
Q11. A school buys 38 footballs costing £12.95 each. Which is the best estimate of the total cost?

- A. £500 B. £400 C. £600 D. £50 E. £5,000

Q12. A tap fills a 60 litre barrel in 12 minutes. How long would the same tap take to fill three 40 litre barrels?

- A. 36 minutes
B. 20 minutes
C. 24 minutes
D. 30 minutes
E. 18 minutes

Q13. The clock shows the time a lesson started. The lesson lasts 45 minutes. At what time does it end?



- A. 10:55 B. 11:15 C. 11:05 D. 11:00 E. 10:45

Q14. A drink is made by mixing orange squash and water in the ratio 1 : 4. How much squash is needed to make 2 litres of the drink?

- A. 400 ml B. 500 ml C. 250 ml D. 1,600 ml E. 200 ml

Q15. Pens cost £1.50 each in a shop offering 'buy 3, get 1 free'. How much does it cost to take home 12 pens?

- A. £13.50 B. £18.00 C. £12.00 D. £15.00 E. £16.50