Problem Solving & Word Problems: Medium Practice Paper 6

Q1. The table shows the prices in a café. What is the total cost of 2 burgers, 1 salad and 3 drinks?

Item	Price
Burger	£3.20
Salad	£2.50
Chips	£1.80
Drink	£1.10

A. £11.20 *B.* £12.20 *C.* £12.10 *D.* £13.20 *E.* £10.90

Q2. The table shows three packs of the same juice cartons. Which pack is the best value for money?

Pack	Cartons	Price
Small	4	£3.00
Medium	6	£4.20
Large	10	£7.50

A. The small pack

B. The medium pack

C. The large pack

D. The small and large packs are equally good

E. They are all the same value

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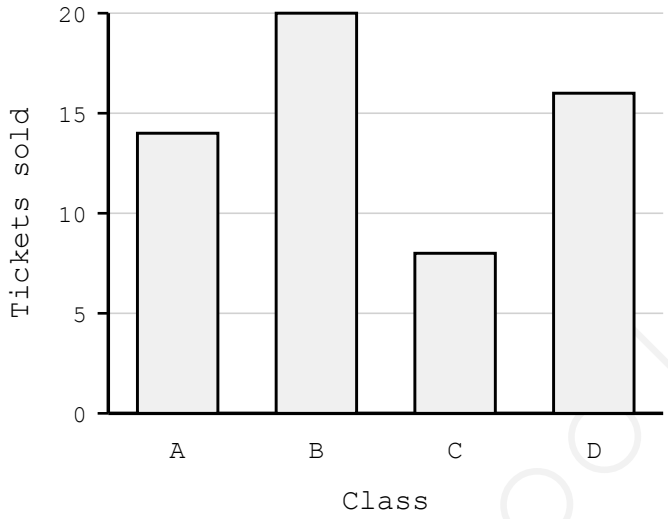
Q3. The bar chart shows how many raffle tickets each class sold. Tickets cost £2 each. How much money did Class B and Class D raise together?



A. £64 *B.* £68 *C.* £36 *D.* £80 *E.* £72

Q4. The timetable shows three buses. Ravi must arrive at the Hospital by 09:30. What is the latest bus he can catch from Oak Road?

Stop	Bus A	Bus B	Bus C
Oak Road	08:10	08:40	09:10
Market	08:25	08:55	09:25
Hospital	08:45	09:15	09:45

A. 08:55 *B.* 08:10 *C.* 09:10 *D.* 08:40 *E.* 09:15

Q5. A café offers 4 kinds of sandwich and 3 kinds of drink. How many different lunches of one sandwich and one drink are possible?

A. 9 *B.* 7 *C.* 12 *D.* 16 *E.* 24

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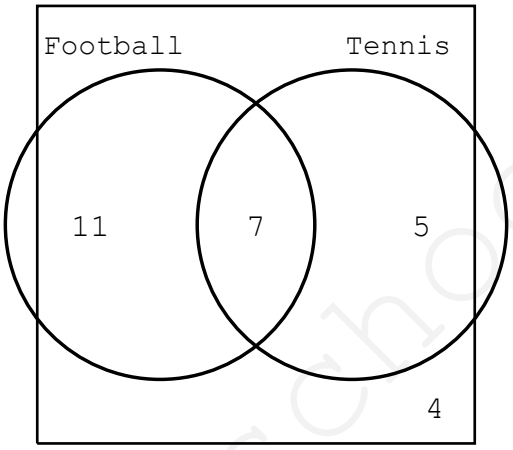
Q6. A recipe for 4 people uses 300 g of rice. Anna has a 1 kg bag of rice. What is the greatest number of people she can cook for?

A. 13 *B.* 12 *C.* 16 *D.* 14 *E.* 3

Q7. The diagram shows the sports played by one class. How many pupils are there in the class altogether?



A. 27 *B.* 41 *C.* 34 *D.* 30 *E.* 23

Q8. Leah buys 3 magazines costing £2.30 each and has £5.60 left. How much money did she have to start with?

A. £13.80 *B.* £7.90 *C.* £11.50 *D.* £12.50 *E.* £10.20

Q9. A car travels 240 miles on 30 litres of fuel. How far can it travel on 45 litres, at the same rate?

A. 400 miles *B.* 320 miles *C.* 380 miles *D.* 300 miles *E.* 360 miles

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Q10. Eggs are sold in boxes of 12. Ellie needs 100 eggs. Which calculation tells her how many boxes to buy?

A. 100 ÷ 12, rounded up

B. 100 ÷ 12, rounded down

C. 100 × 12

D. 12 ÷ 100

E. 100 − 12

Q11. The table shows how many goals a team scored in each of its matches. How many goals did the team score altogether?

Goals scored	Number of matches
0	4
1	6
2	3
3	2

A. 6 *B.* 15 *C.* 18 *D.* 20 *E.* 12

Q12. A restaurant bill is £60, and a service charge of 10% is added. Four friends then share the total equally. How much does each friend pay?

A. £15.00 *B.* £16.50 *C.* £16.25 *D.* £17.50 *E.* £18.00

Q13. A train leaves at 14:35 and arrives at 17:10. How long does the journey take?

A. 3 hours 25 minutes

B. 3 hours 35 minutes

C. 2 hours 25 minutes

D. 2 hours 35 minutes

E. 2 hours 45 minutes

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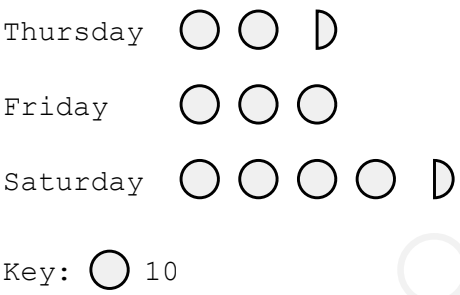
Q14. 196 pupils travel in minibuses that hold 15 each. The minibuses are filled one at a time, so the last one is not full. How many pupils are in the last minibus?

A. 11 *B.* 13 *C.* 14 *D.* 15 *E.* 1

Q15. The pictogram shows how many ice creams a shop sold. How many more were sold on Saturday than on Thursday?



A. 25 *B.* 2 *C.* 20 *D.* 15 *E.* 30

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