



**Product title:** Mathematics MCQ for Eleven Plus - Percentages Topic Sample Sheet  
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Mathematics Sample Test

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## Questions

1. If 12 out of 75 students passed a difficult test, what percentage of the students failed the test?

- A: 16%
- B: 84%
- C: 64%
- D: 78%

2. In a town of 4,000 people, 65% are adults. If 25% of the adults own a car, how many adults in the town own a car?

- A: 1000
- B: 650
- C: 400
- D: 900

3. A number is increased by 25% to get 150. What was the original number?

- A: 120
- B: 125
- C: 115
- D: 100

4. If a number is decreased by 10% to get 135, what was the original number?

- A: 145
- B: 150
- C: 148
- D: 160

5. If 15% of a number is 45, what is 60% of that same number?

- A: 180
- B: 150

C: 200

D: 300

6. A coat has a tag price of £80. If the sales tax is 5%, what is the final price a customer pays?

A: £84

B: £85

C: £82

D: £83

7. What is the result when 35 is increased by 40%?

A: 49

B: 42

C: 56

D: 52

8. A student scored 72 marks in an exam, which was 90% of the total marks. What were the total marks for the exam?

A: 80

B: 90

C: 75

D: 100

9. A recipe requires 400g of flour. If a baker increases all ingredients by 15%, how many grams of flour does the new recipe require?

A: 415

B: 460

C: 450

D: 480

10. If 80% of X is equal to 40% of Y, and  $Y = 160$ , what is the value of X?

A: 80

B: 40

C: 100

D: 120

11. A laptop originally cost £500. It was reduced by 10% in January, and then the reduced price was further reduced by 10% in February. What is the final price of the laptop?

A: £400

B: £405

C: £450

D: £425

12. A shirt is on sale for £48. If the original price was decreased by 20%, what was the original price of the shirt?

A: £58

B: £60

C: £64

D: £72

13. A glass is 80% full of water. If the volume of the glass is 350 mL, how many milliliters of water are needed to fill the glass completely?

A: 50

B: 70

C: 100

D: 280

14. Out of 60 apples, 3 apples were rotten. What percentage of the apples were NOT rotten?

A: 95%

B: 90%

C: 85%

D: 80%

15. A water tank holds 60 liters. If 30% of the water is used, and then 15 liters are added, how many liters of water are in the tank now?

A: 57

B: 42

C: 45

D: 60

**16.** In a school election, Candidate A received 60% of the votes. If 2,400 students voted, how many votes did the losing candidate (Candidate B) receive, assuming only two candidates ran?

A: 1440

B: 960

C: 480

D: 1200

**17.** A company's sales increased from £1,500 to £1,800. What is the percentage increase in sales?

A: 20%

B: 25%

C: 30%

D: 15%

**18.** A shopkeeper buys an antique toy for £200. She marks up the price by 50% but then gives a 20% discount on the marked price during a sale. What is the final selling price of the toy?

A: £210

B: £220

C: £240

D: £250

**19.** A book costs £20. The price is increased by 10%, and then the new price is decreased by 10%. What is the final price?

A: £20.00

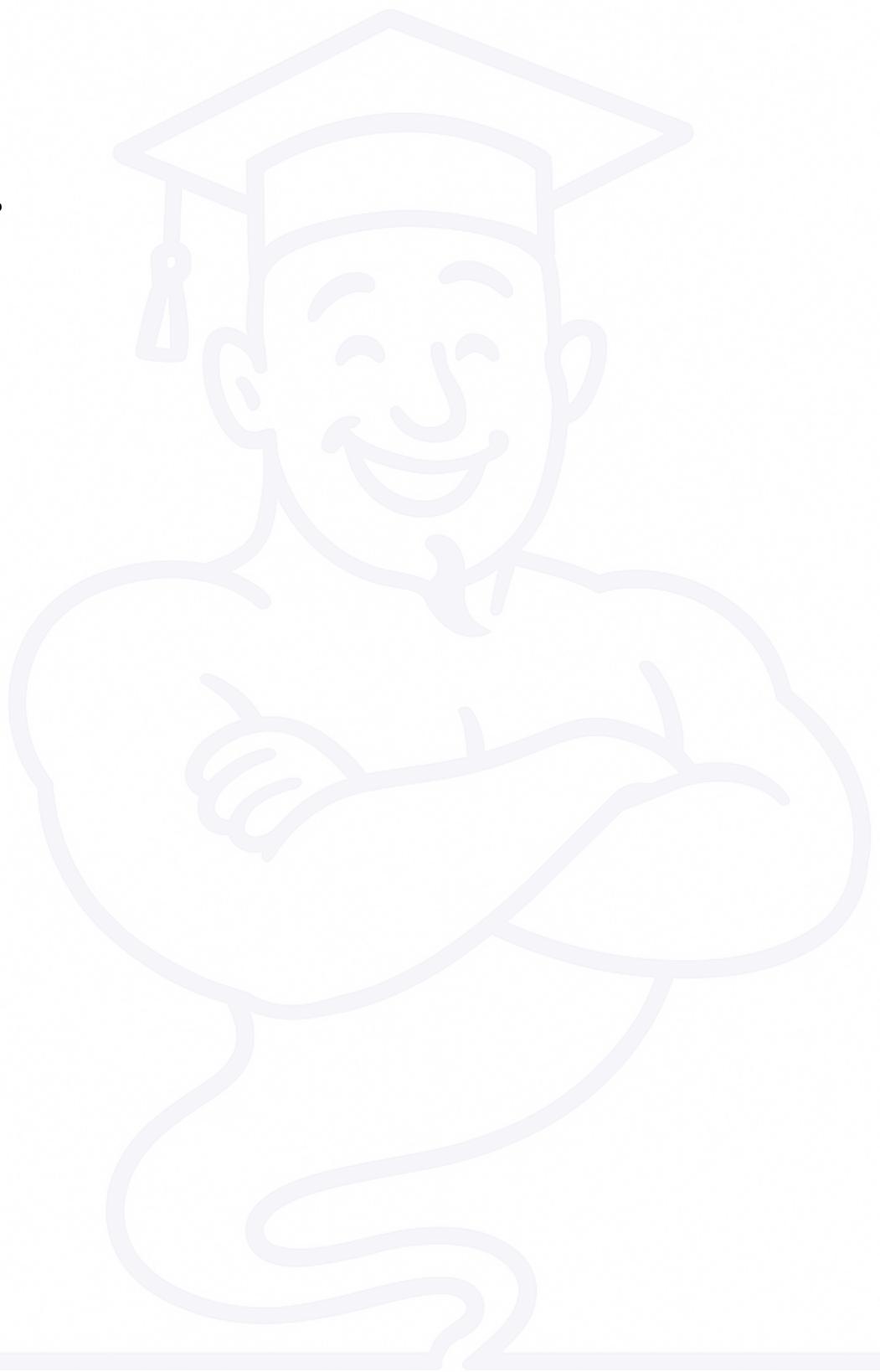
B: £19.80

C: £20.20

D: £19.90

**20.** What is the percentage value of the fraction 9/40?

- A: 22%
- B: 22.5%
- C: 20%
- D: 25%



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## Answer Sheet

1. B	2. B	3. A	4. B	5. A
6. A	7. A	8. A	9. B	10. A
11. B	12. B	13. B	14. A	15. A
16. B	17. A	18. C	19. B	20. B

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