Product title: Mathematics MCQ for Eleven Plus - Percentages Topic Sample Sheet 4.pdf

Contents: Mathematics Sample Test

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Questions

1. The difference between two numbers is 20. If the smaller number is 80% of the larger number, what is the larger number?

A: 80

B: 100

C: 120

D: 160

2. The total capacity of a swimming pool is 1,200 liters. If 40% of the pool is empty, how many liters of water are currently in the pool?

A: 480

B: 600

C: 720

D: 800

3. A total of 40% of a garden is planted with roses. If the rose area is 60 square meters, what is the total area of the garden in square meters?

A: 150

B: 180

C: 240

D: 120

4. A savings account had £500. After one year, it increased by 4%. How much money is in the account after one year?

A: £520

B: £504

C: £540

D: £510

5. In a survey, 3/5 of the participants preferred apples. What percentage of the participants preferred apples?

A: 30%

B: 45%

C: 60%

D: 75%

6. A customer paid £168 for a pair of shoes, which included a 5% sales tax. What was the price of the shoes before the tax was added?

A: £160

B: £163

C: £158

D: £155

7. What is the percentage value of the mixed number 3/20?

A: 115%

B: 120%

C: 130%

D: 103%

8. What is 150% of 42?

A: 42

B: 63

C: 84

D: 57

9. What number, when decreased by 75%, gives a result of 60?

A: 240

B: 200

C: 180

D: 300

10. What is the result when 160 is reduced by 60%?

A: 64

B: 96

C: 48

D: 80

11. A baker sells 120 cakes on Monday. If the next day's sales were 25% higher, how many cakes did the baker sell on Tuesday?

A: 150

B: 145

C: 160

D: 135

12. A farmer harvested 300 cabbages last year. This year, the harvest was 10% less. How many cabbages did the farmer harvest this year?

A: 270

B: 280

C: 290

D: 330

13. A box contains 48 red and blue balls. If 25% of the balls are red, how many blue balls are in the box?

A: 12

B: 36

C: 24

D: 30

14. In a box of 50 chocolates, 6 were dark chocolate. What percentage of the chocolates were NOT dark chocolate?

A: 12%

B: 44%

C: 88%

D: 94%

15. A runner completed 12% of a 10 kilometer race. How many kilometers did the runner still need to run?

A: 1.2

B: 8.8

C: 9.2

D: 8.4

16. The population of a small village was 1,500. If it increased by 2% this year, what is the new population?

A: 1530

B: 1520

C: 1550

D: 1515

17. A toy car costs £40. If the price is increased by 10% and then decreased by £4, what is the final price?

A: £40

B: £44

C: £36

D: £42

18. The rent for an apartment was £800. After a year, the landlord increased the rent by 15%. What is the new monthly rent?

A: £815

B: £900

C: £920

D: £950

19. A library has 600 books. If 20% are fiction, and 25% of the remaining books are reference books, how many books are reference books?

A: 120

B: 150

C: 100

D: 90

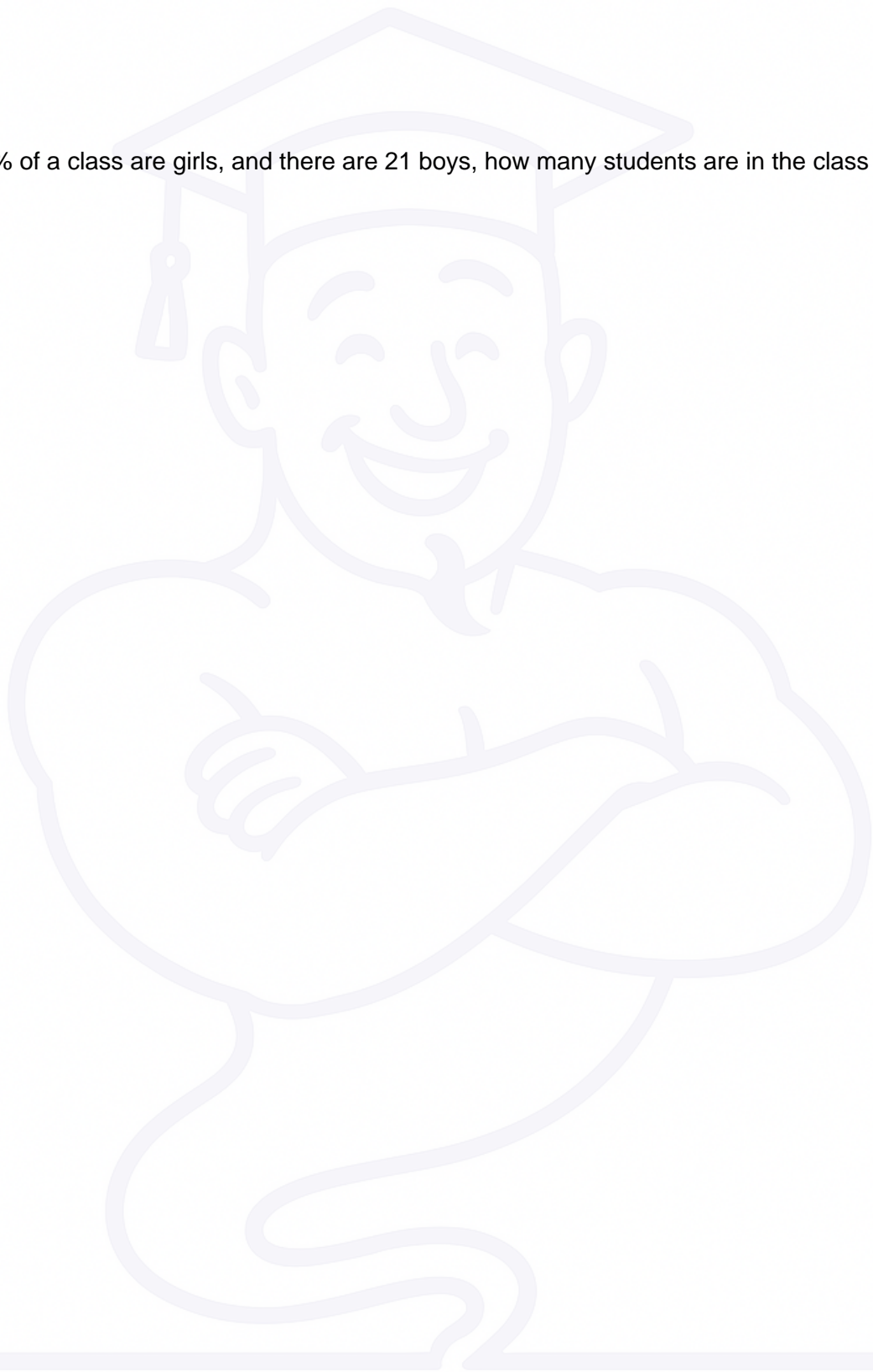**20.** If 30% of a class are girls, and there are 21 boys, how many students are in the class in total?

A: 28

B: 30

C: 35

D: 40

Answer Sheet

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