



Product title: Mathematics MCQ for Eleven Plus - Fractions Topic Sample Sheet 2.pdf

Contents:

Answer Sheet

Mathematics Sample Test

1 page

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Questions

1. What is $5/8$ as a decimal?

- A: 0.625
- B: 0.58
- C: 0.8
- D: 0.75

2. Sophie ate $3/10$, Lily ate $4/10$ of a cake. How much is left?

- A: $3/10$
- B: $7/10$
- C: $2/10$
- D: $4/10$

3. How many twelfths are in $5/6$?

- A: 10
- B: 5
- C: 7
- D: 8

4. How many students are there in a class if $1/4$ do not play sports, and 90 play?

- A: 120
- B: 100
- C: 80
- D: 110

5. Find the sum: $5/12 + 1/4$

- A: $2/3$
- B: $1/2$
- C: $8/12$

D: 4/7

6. A chocolate bar is split into 5 parts. If Alan eats 3 parts, what fraction did he eat?

A: 2/5

B: 5/3

C: 3/5

D: 1/5

7. Simplify: $(x^2 + 7x + 12)/(x^2 + 10x + 24)$

A: $(x + 3)/(x + 6)$

B: $(x + 4)/(x + 8)$

C: $(x + 2)/(x + 12)$

D: $1/(x + 6)$

8. Which of these is a proper fraction?

A: 8/5

B: 7/7

C: 3/8

D: 5/3

9. Jack has 150 marbles and gives away $1/3$. How many marbles did he give?

A: 50

B: 100

C: 75

D: 60

10. Divide: $2\frac{2}{3} \div 1\frac{1}{3}$

A: 2

B: 1

C: 1/2

D: 2/3

11. Which is the mixed number for $13/8$?

- A: $1\frac{5}{8}$
- B: $2\frac{1}{8}$
- C: $1\frac{3}{8}$
- D: $2\frac{4}{8}$

12. Rewrite $7/10$ as a percentage.

- A: 70%
- B: 10%
- C: 50%
- D: 17%

13. Find the value: $2/3 \times 3/7 \times 7/5$

- A: $2/5$
- B: 1
- C: $6/35$
- D: $4/15$

14. Which is greater: $5/8$ or $3/4$?

- A: $5/8$
- B: $3/4$
- C: They are equal
- D: $1/2$

15. Find the missing value: $2/7 + ? = 6/7$

- A: $4/7$
- B: $2/7$
- C: $1/7$
- D: $6/7$

16. A train is $\frac{3}{4}$ hour early. Its usual travel time is $2\frac{1}{2}$ hours. What fraction of usual travel time is the earliness?

- A: $\frac{3}{10}$
- B: $\frac{3}{5}$
- C: $\frac{3}{8}$
- D: $\frac{1}{3}$

17. Simplify $\frac{18}{27}$.

- A: $\frac{2}{3}$
- B: $\frac{3}{9}$
- C: $\frac{6}{9}$
- D: $\frac{1}{3}$

18. Arrange in increasing order: $\frac{2}{3}, \frac{4}{9}, \frac{7}{12}$

- A: $\frac{4}{9}, \frac{2}{3}, \frac{7}{12}$
- B: $\frac{4}{9}, \frac{7}{12}, \frac{2}{3}$
- C: $\frac{2}{3}, \frac{4}{9}, \frac{7}{12}$
- D: $\frac{7}{12}, \frac{2}{3}, \frac{4}{9}$

19. Find $\frac{2}{5}$ of 90.

- A: 36
- B: 45
- C: 18
- D: 30

20. Tom eats $\frac{3}{8}$ of a pie. Jerry eats $\frac{1}{4}$. How much more did Tom eat?

- A: $\frac{1}{8}$
- B: $\frac{1}{4}$
- C: $\frac{1}{2}$
- D: $\frac{2}{8}$

Answer Sheet

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

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