



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

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Questions

1. What is $\frac{5}{8}$ as a decimal?

A: 0.625

B: 0.58

C: 0.8

D: 0.75

2. Sophie ate $\frac{3}{10}$, Lily ate $\frac{4}{10}$ of a cake. How much is left?

A: $\frac{3}{10}$

B: $\frac{7}{10}$

C: $\frac{2}{10}$

D: $\frac{4}{10}$

3. How many twelfths are in $\frac{5}{6}$?

A: 10

B: 5

C: 7

D: 8

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

A: 120

B: 100

C: 80

D: 110

5. Find the sum: $\frac{5}{12} + \frac{1}{4}$

A: $\frac{2}{3}$

B: $\frac{1}{2}$

C: $\frac{8}{12}$

D: $\frac{4}{7}$

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

A: $\frac{2}{5}$

B: $\frac{5}{3}$

C: $\frac{3}{5}$

D: $\frac{1}{5}$

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: $\frac{8}{5}$

B: $\frac{7}{7}$

C: $\frac{3}{8}$

D: $\frac{5}{3}$

9. Jack has 150 marbles and gives away $\frac{1}{3}$. 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: $\frac{1}{2}$

D: $\frac{2}{3}$

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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: $6/7$

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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: $\frac{2}{8}$

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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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