



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

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Mathematics Sample Test

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## Questions

1. What fraction of an hour is 30 minutes?

- A:  $1/2$
- B:  $1/3$
- C:  $2/3$
- D:  $3/4$

2. Subtract:  $(7/8) - (3/4)$

- A:  $1/8$
- B:  $2/8$
- C:  $3/8$
- D:  $4/8$

3. If  $1/4$  of a tank holds 15 liters, what is the full capacity of the tank?

- A: 40
- B: 50
- C: 60
- D: 70

4. Simplify:  $(4/7) \div (2/5)$

- A:  $10/7$
- B:  $8/7$
- C:  $9/7$
- D:  $7/8$

5. Add:  $(3/5) + (7/10)$

- A:  $1\frac{3}{10}$
- B:  $3/2$
- C:  $1/2$

D: 4/5

**6.** Simplify:  $(5/6) \div (5/12)$

A: 2

B: 1/2

C: 3/4

D: 4/3

**7.** Simplify:  $(9/10) \times (5/9)$

A: 1/2

B: 1/3

C: 1/4

D: 1/5

**8.** Find  $2/7$  of 63.

A: 16

B: 18

C: 20

D: 14

**9.** Find  $4/9$  of 81.

A: 32

B: 34

C: 36

D: 38

**10.** Which is smaller:  $5/8$  or  $3/4$ ?

A:  $5/8$

B:  $3/4$

C: Equal

D: Cannot say

**11.** Simplify:  $(6/8) \div (3/4)$

- A: 1
- B: 2
- C:  $3/2$
- D:  $4/3$

**12.** Add:  $2/3 + 4/9$

- A:  $8/9$
- B:  $10/9$
- C:  $12/9$
- D:  $14/9$

**13.** Simplify:  $(2/5) \text{ of } (25/4)$

- A:  $5/2$
- B: 2
- C: 3
- D: 4

**14.** Simplify:  $(5/12) + (7/8)$

- A:  $1 \frac{1}{12}$
- B:  $1 \frac{7}{24}$
- C:  $1 \frac{9}{24}$
- D:  $1 \frac{7}{12}$

**15.** A rope is  $\frac{3}{4}$  meter long. How long are 5 such ropes?

- A: 3.25 meters
- B: 3.75 meters
- C: 4 meters
- D: 5.5 meters

**16.** Simplify:  $(8/9) \times (3/4)$

- A:  $2/3$
- B:  $3/4$
- C:  $4/5$
- D:  $5/6$

**17.** Simplify:  $(7/9) \div (14/27)$

- A:  $3/2$
- B:  $2/3$
- C:  $1/2$
- D:  $3/4$

**18.** If a car travels  $3/5$  of 100 km, how far has it traveled?

- A: 50 km
- B: 55 km
- C: 60 km
- D: 65 km

**19.** A student completed  $3/5$  of his homework. If the total was 20 pages, how many are done?

- A: 10
- B: 11
- C: 12
- D: 15

**20.** If  $2/3$  of a distance is 40 km, find the total distance.

- A: 50
- B: 55
- C: 60
- D: 65

## Answer Sheet

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

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