

50 numeracy multiple-choice questions suitable for the Ghana Teacher Licensure Examination (GTLE). Each question is followed by four options, with the correct answer bolded.

Basic Arithmetic

1. What is the value of $25 + 37$?

- a) 52
- b) 62
- c) **72**
- d) 82

2. Subtract 48 from 100:

- a) 42
- b) **52**
- c) 62
- d) 72

3. Multiply 12 by 9:

- a) 98
- b) 108
- c) **118**
- d) 128

4. Divide 144 by 12:

- a) 10
- b) **12**
- c) 14
- d) 16

5. What is the sum of 56 and 44?

- a) 90
- b) **100**
- c) 110
- d) 120

Fractions and Decimals

6. What is $\frac{3}{4}$ of 80?

- a) 40
- b) **60**
- c) 70
- d) 80

7. Convert $\frac{5}{8}$ to a decimal:

- a) 0.5

- b) 0.625
- c) **0.625**
- d) 0.75

8. Add $\frac{1}{2}$ and $\frac{1}{4}$

- a) $\frac{1}{6}$
- b) $\frac{2}{6}$
- c) **$\frac{3}{4}$**
- d) $\frac{5}{8}$

9. Subtract 0.25 from 1.5:

- a) 1.0
- b) **1.25**
- c) 1.75
- d) 2.0

10. Multiply 0.6 by 0.4:

- a) 0.10
- b) 0.20
- c) **0.24**
- d) 0.30

Percentages

11. What is 20% of 150?

- a) 20
- b) **30**
- c) 40
- d) 50

12. If a shirt costs ₺50 and is discounted by 10%, what is the new price?

- a) ₺40
- b) **₺45**
- c) ₺48
- d) ₺55

13. Convert 0.75 to a percentage:

- a) 7.5%
- b) **75%**
- c) 750%
- d) 0.075%

14. A student scored 45 out of 60. What percentage is this?

- a) 60%
- b) **75%**
- c) 80%
- d) 90%

15. Increase 200 by 15%:

- a) 215
- b) **230**
- c) 250
- d) 260

Algebra

16. Solve for x: $x + 5 = 12$

- a) 5
- b) **7**
- c) 10
- d) 12

17. Simplify $3x + 2x$:

- a) $7x$
- b) **$5x$**
- c) $6x$
- d) $6x^2$

18. Solve for y : $2y = 18$

- a) 6
- b) **9**
- c) 12
- d) 18

19. Expand $2(x + 3)$:

- a) $2x + 3$
- b) **$2x + 6$**
- c) $2x + 5$
- d) $2x + 9$

20. Solve for z: $z - 4 = 10$

- a) 6
- b) **14**
- c) 16
- d) 20

Geometry

21. What is the perimeter of a square with a side length of 5 cm?

- a) 10 cm
- b) **20 cm**
- c) 25 cm
- d) 30 cm

22. Calculate the area of a rectangle with length 8 cm and width 5 cm:
- a) 13 cm^2
 - b) **40 cm^2**
 - c) 45 cm^2
 - d) 50 cm^2
23. What is the circumference of a circle with a radius of 7 cm? Use $\pi = \frac{22}{7}$
- a) 22 cm
 - b) **44 cm**
 - c) 66 cm
 - d) 88 cm
24. Find the area of a triangle with a base of 10 cm and a height of 6 cm:
- a) 16 cm^2
 - b) **30 cm^2**
 - c) 36 cm^2
 - d) 60 cm^2
25. How many degrees are in a right angle?
- a) 45°
 - b) **90°**
 - c) 120°
 - d) 180°

Measurement

26. Convert 2.5 kilometers to meters:
- a) 25 m
 - b) 250 m
 - c) **2500 m**
 - d) 25,000 m
27. How many milliliters are in 3 liters?
- a) 30 ml
 - b) 300 ml
 - c) **3000 ml**
 - d) 30,000 ml
28. Convert 500 grams to kilograms:
- a) 0.05 kg
 - b) **0.5 kg**
 - c) 5 kg
 - d) 50 kg
29. A bag weighs 2.4 kg. What is its weight in grams?
- a) 24 g
 - b) 240 g

- c) **2400 g**
- d) 24,000 g

30. How many centimeters are in 1.5 meters?

- a) 15 cm
- b) **150 cm**
- c) 1500 cm
- d) 15,000 cm

Word Problems

31. A box contains 24 apples. If 6 are removed, how many remain?

- a) 12
- b) **18**
- c) 20
- d) 22

32. A car travels 60 km in 1 hour. How far will it travel in 3 hours?

- a) 120 km
- b) **180 km**
- c) 200 km
- d) 240 km

33. If 5 pencils cost ₦10, how much will 10 pencils cost?

- a) ₦15
- b) **₦20**
- c) ₦25
- d) ₦30

34. A classroom has 30 students. If 20% are absent, how many are present?

- a) 6
- b) **24**
- c) 26
- d) 28

35. A farmer harvested 120 kg of maize. He sold 75 kg. How much remains?

- a) 35 kg
- b) **45 kg**
- c) 55 kg
- d) 65 kg

Time and Money

36. If a train leaves at 3:15 PM and arrives at 5:45 PM, how long is the journey?

- a) 1 hour 30 minutes
- b) **2 hours 30 minutes**

- c) 3 hours
- d) 3 hours 30 minutes

37. Convert 2 hours 45 minutes to minutes:

- a) 120 minutes
- b) **165 minutes**
- c) 180 minutes
- d) 200 minutes

38. If ₦1 = 100 pesewas, how many pesewas are in ₦5.50?

- a) 50 pesewas
- b) **550 pesewas**
- c) 505 pesewas
- d) 500 pesewas

39. A book costs ₦12.50. If you pay with a ₦20 note, how much change will you receive?

- a) ₦6.50
- b) **₦7.50**
- c) ₦8.50
- d) ₦9.50

40. If you save ₦10 every day for 7 days, how much will you save?

- a) ₦60
- b) **₦70**
- c) ₦80
- d) ₦90

Advanced Numeracy

41. What is the square root of 144?

- a) 10
- b) **12**
- c) 14
- d) 16

42. Solve 3^3 :

- a) 6
- b) 9
- c) **27**
- d) 30

43. What is the next number in the sequence: 2, 4, 6, 8, ____?

- a) 9
- b) **10**
- c) 12
- d) 14

44. Find the average of 10, 20, and 30:

- a) 15
- b) **20**
- c) 25
- d) 30

45. What is 25% of 200?

- a) 25
- b) ****50****
- c) 75
- d) 100

Probability and Statistics

46. A die is rolled. What is the probability of getting a 3?

- a) $1/2$
- b) $1/3$
- c) **$1/6$**
- d) $1/12$

47. In a class of 30 students, 10 are boys. What is the probability of selecting a girl?

- a) $1/3$
- b) **$2/3$**
- c) $1/2$
- d) $3/4$

48. The mean of 5, 10, and 15 is:

- a) 5
- b) **10**
- c) 15
- d) 20

49. A bag contains 4 red balls and 6 blue balls. What is the probability of drawing a red ball?

- a) $1/4$
- b) $2/5$
- c) $3/5$
- d) $4/5$

50. If the range of a data set is 10 and the smallest number is 5, what is the largest number?

- a) 10
- b) **15**
- c) 20
- d) 25