

EDUSAMBAM ASSESSMENT SERIES

Why Do We Need Mathematics?

PRINTABLE PRACTICE WORKSHEET

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Candidate Name:

Roll No.:

Class / Grade:

Date:

School / Institution:

Test Centre:

Subject

Mathematics (Maths)

Topic

Why Do We Need Mathematics?

Total Marks

100

Total Questions

45

Time Allowed

1 Hour (60 minutes)

Version

A

GENERAL INSTRUCTIONS

1. Read each question carefully before answering.
2. For Section A and Section B, mark one answer only.
3. For Sections C and E, write your answer clearly in the space provided.
4. For Section D, write the correct letter from Column B against each item in Column A.
5. Do not use correction fluid. Keep all answers clear and legible.
6. This worksheet is prepared from the EDUSAMBAM practice assessment supplied for this paper.

PAPER PATTERN

Section	Questions	Marks Each	Total
Section A — Multiple Choice	15	2	30
Section B — True / False	10	2	20
Section C — Fill in the Blank	10	2	20
Section D — Column Matching	5 pairs	2	10
Section E — Short Answer	5	4	20
Total	45	—	100

Section A — Multiple Choice

30 marks

1. Which of these is a common everyday use of mathematics?

Basic • 2 pts

- A.** Watching a movie
C. Listening to music

- B.** Calculating change while shopping
D. Taking a nap

Answer: ☐A ☐B ☐C ☐D

2. Mathematics helps you read and understand:

Basic • 2 pts

- A.** Colors only
C. Smells

- B.** Time on a clock
D. Emotions

Answer: ☐A ☐B ☐C ☐D

3. Which career relies heavily on mathematics?

Basic • 2 pts

- A.** Engineer
C. Singer (with no rhythm counting)

- B.** Painter (using no measurements)
D. None of these

Answer: ☐A ☐B ☐C ☐D

4. Cooking a recipe often requires math to:

Basic • 2 pts

- A.** Choose a favorite color
C. Decide the restaurant name

- B.** Measure ingredients and adjust quantities
D. Pick background music

Answer: ☐A ☐B ☐C ☐D

5. Math is used in sports to calculate things like:

Intermediate • 2 pts

- A.** Scores and statistics
C. The weather forecast

- B.** The color of the uniform
D. The team's mascot

Answer: ☐A ☐B ☐C ☐D

6. Basic math skills help you manage:
A. Personal budgets and money
C. Nothing practical
Answer: ☐A ☐B ☐C ☐D

B. Only schoolwork
D. Handwriting style

Intermediate • 2 pts

7. Comparing prices at a store to find the best deal uses:
A. Reading skills only
C. Artistic skills
Answer: ☐A ☐B ☐C ☐D

B. Basic mathematical comparison
D. Musical skills

Intermediate • 2 pts

8. Which of these commonly uses math to calculate distance, speed, and time?
A. Traveling
C. Painting
Answer: ☐A ☐B ☐C ☐D

B. Sleeping
D. Singing

Intermediate • 2 pts

9. Learning mathematics helps build:
A. Only memorization skills
C. No useful skills
Answer: ☐A ☐B ☐C ☐D

B. Problem-solving and logical thinking skills
D. Only artistic talent

Intermediate • 2 pts

10. Estimating how many items you can buy with a set amount of money is an example of using:
A. Math in daily life
C. History knowledge
Answer: ☐A ☐B ☐C ☐D

B. Music theory
D. Literature skills

Intermediate • 2 pts

11. Reading a clock and understanding schedules requires knowledge of:
A. Numbers and time-related math
C. Only shapes
Answer: ☐A ☐B ☐C ☐D

B. Only colors
D. Nothing mathematical

Intermediate • 2 pts

12. Mathematics is essential in technology fields such as:
A. Computer programming and data analysis
C. Only painting
Answer: ☐A ☐B ☐C ☐D

B. Only cooking
D. Only singing

Advanced • 2 pts

13. Which of these best explains why mathematics is considered important in daily life?
A. It has no real-world use
C. It is only useful in school exams
Answer: ☐A ☐B ☐C ☐D

B. It helps with reasoning, decision-making, and solving everyday problems
D. It is only used by mathematicians

Advanced • 2 pts

14. Budgeting monthly expenses is an example of applying math to:
A. Personal finance
C. Music composition
Answer: ☐A ☐B ☐C ☐D

B. Weather prediction
D. Gardening only

Advanced • 2 pts

15. Which activity does NOT typically require mathematical thinking?
A. Calculating a tip at a restaurant
C. Daydreaming with no numbers involved
Answer: ☐A ☐B ☐C ☐D

B. Measuring ingredients for baking
D. Splitting a bill among friends

Advanced • 2 pts

Section B — True / False

20 marks

16. Mathematics is used in everyday activities like shopping and cooking.
A. True ☐ **B.** False ☐

Basic • 2 pts

17. Mathematics has no connection to careers like engineering or technology.
A. True ☐ **B.** False ☐

Basic • 2 pts

18. Understanding time and schedules relies on basic mathematical knowledge.
A. True ☐ **B.** False ☐

Basic • 2 pts

19. Budgeting and managing money require mathematical skills.
A. True ☐ **B.** False ☐

Basic • 2 pts

20. Comparing prices to find the best deal is an example of applying math.
A. True ☐ **B.** False ☐

Intermediate • 2 pts

21. Mathematics only matters inside a classroom and has no real-world application.
A. True ☐ **B.** False ☐

Intermediate • 2 pts

22. Sports statistics, like scores and averages, are calculated using math.
A. True ☐ **B.** False ☐

23. Learning math can help develop problem-solving and logical thinking skills.
A. True ☐ **B.** False ☐

24. Estimating quantities, like how many items you can afford, uses mathematical thinking.
A. True ☐ **B.** False ☐

25. Mathematics plays no role in modern technology or computer science.
A. True ☐ **B.** False ☐

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Section C — Fill in the Blank

20 marks

26. Calculating change while shopping is a common daily use of _____.
Answer: _____

27. Reading a _____ and understanding schedules requires basic math knowledge.
Answer: _____

28. Managing money and personal expenses is called _____.
Answer: _____

29. Comparing prices to find the best deal uses mathematical _____.
Answer: _____

30. Math helps calculate distance, speed, and time when _____.
Answer: _____

31. Learning mathematics helps build _____-solving and logical thinking skills.
Answer: _____

32. Careers such as engineering and computer programming rely heavily on _____.
Answer: _____

33. Adjusting ingredient quantities in a recipe is a practical use of math in _____.
Answer: _____

34. Calculating scores and statistics is a common use of math in _____.
Answer: _____

35. Guessing a reasonable quantity or amount without calculating exactly is called _____.
Answer: _____

Basic • 2 pts

Basic • 2 pts

Basic • 2 pts

Basic • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Section D — Column Matching

10 marks

36-40. Match each term to its correct definition.

Column A	Answer	Column B
Shopping	_____	A. Calculating distance, speed, and time
Cooking	_____	B. Managing and planning personal money
Traveling	_____	C. Calculating scores and statistics
Budgeting	_____	D. Calculating change and comparing prices
Sports	_____	E. Measuring and adjusting ingredient quantities

Section E — Short Answer

20 marks

41. Give one example of how mathematics is used in everyday shopping.

42. Why is basic math important for managing personal money?

Advanced • 4 pts

Advanced • 4 pts

43. Explain how mathematics is used in cooking or baking.

Advanced · 4 pts

44. Why do careers like engineering or computer science require strong math skills?

Advanced · 4 pts

45. How does learning mathematics help develop problem-solving skills?

Advanced · 4 pts

Candidate Signature: _____ Invigilator Signature: _____

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Marks Obtained: _____ / 100

Result / Grade: _____

Checked By: _____

Date Checked: _____

EDUSAMBAM ASSESSMENT SERIES

Why Do We Need Mathematics? — Answer Key

Teacher reference: equivalent grammatically correct wording is acceptable for open-ended items when the meaning is preserved.

Section A — Multiple Choice

1. B

2. B

3. A

4. B

5. A

6. A

7. B

8. A
9. B

10. A

11. A

12. A

13. B

14. A

15. C

Section B — True / False

16. True

17. False

18. True

19. True

20. True
21. False

22. True

23. True

24. True

25. False

Section C — Fill in the Blank

26. mathematics

27. clock

28. budgeting

29. comparison

30. traveling
31. problem

32. mathematics

33. cooking

34. sports

35. estimating

Section D — Column Matching

36. Shopping — D

37. Cooking — E

38. Traveling — A
39. Budgeting — B

40. Sports — C

Section E — Short Answer (Model Answers)

41. change; price; compare; budget; cost

42. budget; expense; spend; save; track

43. measure; ingredient; quantity; recipe

44. calculat; problem solv; logic; design; data

45. logic; reason; think; solve; analy