



EDUSAMBAM ASSESSMENT SERIES

Factors & Multiples

PRINTABLE PRACTICE WORKSHEET

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Candidate Name:

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Test Centre:

Subject	Mathematics (Maths)	Topic	Factors & Multiples	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. A number is divisible by 2 if:

- A. Its last digit is even
C. It is a prime number

- B. It ends in 5
D. The sum of its digits is 3

Answer: ☐A ☐B ☐C ☐D

Basic • 2 pts

2. A number is divisible by 5 if:

- A. It ends in 0 or 5
C. It is odd

- B. It ends in 2
D. It ends in 3

Answer: ☐A ☐B ☐C ☐D

Basic • 2 pts

3. A number is divisible by 3 if:

- A. It is even
C. It ends in 0

- B. The sum of its digits is divisible by 3
D. It has exactly two digits

Answer: ☐A ☐B ☐C ☐D

Basic • 2 pts

4. A factor of a number is:

- A. A number that divides it exactly with no remainder
C. Always the number itself doubled

- B. Any number larger than it
D. Only 1 or itself

Answer: ☐A ☐B ☐C ☐D

Basic • 2 pts

5. A multiple of a number is:

- A. The result of multiplying it by a whole number
C. Only found through division

- B. Always smaller than the number
D. Always a fraction

Answer: ☐A ☐B ☐C ☐D

Intermediate • 2 pts

6. A prime number has exactly: A. Two factors: 1 and itself C. No factors Answer: ☐ A ☐ B ☐ C ☐ D	B. Three factors D. An unlimited number of factors	Intermediate • 2 pts
7. A composite number has: A. Exactly one factor C. Exactly two factors Answer: ☐ A ☐ B ☐ C ☐ D	B. More than two factors D. No factors at all	Intermediate • 2 pts
8. Which of these is a prime number? A. 4 C. 7 Answer: ☐ A ☐ B ☐ C ☐ D	B. 6 D. 9	Intermediate • 2 pts
9. A common factor of two numbers is a number that: A. Divides both numbers exactly C. Is a multiple of both numbers Answer: ☐ A ☐ B ☐ C ☐ D	B. Is larger than both numbers D. Has no relation to either number	Intermediate • 2 pts
10. HCF stands for: A. Highest Common Factor C. Half Common Factor Answer: ☐ A ☐ B ☐ C ☐ D	B. Highest Common Fraction D. Higher Composite Fraction	Intermediate • 2 pts
11. LCM stands for: A. Lowest Common Multiple C. Lowest Common Fraction Answer: ☐ A ☐ B ☐ C ☐ D	B. Largest Composite Multiple D. Least Common Factor plus one	Intermediate • 2 pts
12. The HCF of two numbers is: A. The largest number that divides both numbers exactly C. Always equal to 1 Answer: ☐ A ☐ B ☐ C ☐ D	B. The smallest multiple shared by both numbers D. Always the larger of the two numbers	Advanced • 2 pts
13. The LCM of two numbers is: A. The largest factor shared by both numbers C. Always equal to their sum Answer: ☐ A ☐ B ☐ C ☐ D	B. The smallest multiple that both numbers divide into exactly D. Always equal to 0	Advanced • 2 pts
14. HCF and LCM word problems are commonly used to solve real-life situations like: A. Dividing items into equal groups or finding when repeating events align C. Naming a pet Answer: ☐ A ☐ B ☐ C ☐ D	B. Painting a wall D. Writing a poem	Advanced • 2 pts
15. If two numbers share no common factors other than 1, their HCF is: A. 1 C. Their product Answer: ☐ A ☐ B ☐ C ☐ D	B. 0 D. Undefined	Advanced • 2 pts

Section B — True / False

20 marks

16. A number is divisible by 2 if its last digit is even. A. True ☐ B. False ☐	Basic • 2 pts
17. A number is divisible by 5 only if it ends in 5, never in 0. A. True ☐ B. False ☐	Basic • 2 pts
18. A factor of a number divides it exactly, with no remainder. A. True ☐ B. False ☐	Basic • 2 pts
19. A multiple of a number is always smaller than the number itself. A. True ☐ B. False ☐	Basic • 2 pts
20. A prime number has exactly two factors: 1 and itself. A. True ☐ B. False ☐	Intermediate • 2 pts
21. A composite number has more than two factors. A. True ☐ B. False ☐	Intermediate • 2 pts

22. HCF stands for Highest Common Factor.
A. True ☐ **B.** False ☐

23. LCM stands for Lowest Common Multiple.
A. True ☐ **B.** False ☐

24. The HCF of two numbers is always larger than their LCM.
A. True ☐ **B.** False ☐

25. HCF and LCM are useful tools for solving real-life grouping and scheduling problems.
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. A number that divides another number exactly, with no remainder, is called a _____.
Answer: _____

27. The result of multiplying a number by a whole number is called a _____.
Answer: _____

28. A number with exactly two factors, 1 and itself, is called a _____ number.
Answer: _____

29. A number with more than two factors is called a _____ number.
Answer: _____

30. A number that divides two or more numbers exactly is called a _____ factor.
Answer: _____

31. The largest number that divides two numbers exactly is called the _____.
Answer: _____

32. The smallest multiple shared by two or more numbers is called the _____.
Answer: _____

33. If a number ends in 0 or 5, it is divisible by _____.
Answer: _____

34. If the sum of a number's digits is divisible by 3, the number itself is divisible by _____.
Answer: _____

35. HCF and LCM are often used to solve real-life _____ problems, like grouping items evenly.
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
Factor	_____	A. A number with exactly two factors: 1 and itself
Multiple	_____	B. The largest number that divides two numbers exactly
Prime Number	_____	C. The smallest multiple shared by two or more numbers
HCF	_____	D. A number that divides another exactly, with no remainder
LCM	_____	E. The result of multiplying a number by a whole number

Section E — Short Answer

20 marks

41. What is the difference between a factor and a multiple?

42. Explain what makes a number a prime number.

Advanced · 4 pts

Advanced · 4 pts

43. What is the difference between HCF and LCM?

Advanced · 4 pts

44. Give a divisibility rule for the number 3.

Advanced · 4 pts

45. Describe a real-life situation where finding the LCM would be useful.

Advanced · 4 pts

Candidate Signature: _____ **Invigilator Signature:** _____

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Marks Obtained: _____ / 100

Checked By: _____

Result / Grade: _____

Date Checked: _____

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Factors & Multiples — Answer Key

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

Section A — Multiple Choice

1. A

2. A

3. B

4. A

5. A

6. A

7. B

8. C
9. A

10. A

11. A

12. A

13. B

14. A

15. A

Section B — True / False

16. True

17. False

18. True

19. False

20. True
21. True

22. True

23. True

24. False

25. True

Section C — Fill in the Blank

26. factor

27. multiple

28. prime

29. composite

30. common
31. hcf

32. lcm

33. 5

34. 3

35. word

Section D — Column Matching

36. Factor — D

37. Multiple — E

38. Prime Number — A
39. HCF — B

40. LCM — C

Section E — Short Answer (Model Answers)

41. divide; multiply; smaller; larger

42. two factor; 1 and itself; only divisible

43. largest; smallest; divide; multiple

44. sum; digit; divisible by 3

45. schedule; group; align; repeat; event