



GCSE Maths

Numbers

Factors Multiples and Primes

Name:

Date:

Materials

You can use a calculator for these questions



Tips

Show how you worked out the answer if you can.

Simple Questions

1. Write down all the factors of 12.

Answer _____ [1 mark]

2. Write down the first five multiples of 6.

Answer _____ [1 mark]

3. What is the smallest prime number?

Answer _____ [1 mark]

4. Is 37 a prime number? Write Yes or No.

Answer _____ [1 mark]

5. Find the highest common factor (HCF) of 8 and 12.

Answer _____ [1 mark]



Medium Questions

6. Find the lowest common multiple (LCM) of 9 and 12.

Answer _____ [2 mark]

7. What is the prime factorisation of 30?

Answer _____ [2 mark]

8. Find the highest common factor (HCF) of 24 and 36.

Answer _____ [2 mark]

9. A number is divisible by both 4 and 9.
What is the smallest possible number it could be?

Answer _____ [2 mark]

10. Find the lowest common multiple (LCM) of 15 and 20.

Answer _____ [2 mark]



Difficult Questions

11. Express 84 as a product of its prime factors.

Answer _____ [3 mark]

12. Find the highest common factor (HCF) of 48, 72, and 120.

Answer _____ [3 mark]

13. Find the lowest common multiple (LCM) of 18, 24, and 36.

Answer _____ [3 mark]

14. A number is a multiple of both 12 and 18. It is between 100 and 150. What is the number?

Answer _____ [3 mark]

15. Two numbers have an HCF of 6 and an LCM of 90. If one of the numbers is 30, what is the other number?

Answer _____ [3 mark]

