Factors/multiples revision

6 questions | 12 marks

Equivalent correct methods earn the corresponding marks.

1. Write the first five positive multiples of 9. [2 marks]

Multiply 9 by 1 through 5.

Answer: 9, 18, 27, 36, 45.

2. Find every common factor of 12 and 20. [2 marks]

Compare their factor lists.

Answer: 1, 2 and 4.

3. Is 24 a multiple of 6? Explain. [1 mark]

24 appears in the six-times table.

Answer: Yes, because $6 \times 4 = 24$.

4. Find the smallest positive common multiple of 5 and 8. [2 marks]

List multiples until both lists contain 40.

Answer: 40.

5. There are 30 red beads and 42 blue beads. Make the greatest number of identical bags, using all beads. How many bags and what is in each? [3 marks]

The greatest common factor is 6; $30 \div 6 = 5$ and $42 \div 6 = 7$.

Answer: 6 bags, each with 5 red and 7 blue beads.

6. Correct this sentence: 4 is a multiple of 20. [2 marks]

$4 \times 5 = 20$.

Answer: 4 is a factor of 20, or 20 is a multiple of 4.