

Number Systems — Full Revision

Name:

Date:

INQUIRY

Integers, powers, roots, primes, HCF/LCM, standard form — the building blocks of advanced maths.

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Standard form	$A \times 10^n$.
HCF	Largest common factor.
LCM	Smallest common multiple.

Full Revision (28 marks)

1. $(-5) \times (-3) + (-8)$. [2 marks]

Show your working:

2. Find $\sqrt{196}$ and $\sqrt[3]{216}$. [2 marks]

Show your working:

3. Write 360 as a product of primes. [2 marks]

Show your working:

4. Find HCF and LCM of 24 and 36 using prime factors. [3 marks]

Show your working:

5. Write 45,600,000 in standard form. [1 marks]

Show your working:

6. $(4 \times 10^5) \times (3 \times 10^2)$. [2 marks]

Show your working: