

LITERACY

Powers Indices
Base Number Roots

RESEARCH

What is standard form
and why do we use it?

MEMORY

A power tells you how many
times the base number is
multiplied by itself

The square root is the
opposite of a square number

SKILL

Task 1 – Find the value of

1. $2 \times 2 \times 2 \times 2 \times 2 \times 2$
2. $3 \times 3 \times 3 \times 3$
3. $5 \times 5 \times 5$

Task 2 - Evaluate

1. 9^2
2. 5^2
3. 8^2
4. 2^7
5. 4^3

Task 3 – Evaluate

1. $2^4 + 6^2$
2. $4^3 - 3^3$
3. $10^3 - 3^2$

Task 4 - Evaluate

1. $\sqrt{100}$
2. $\sqrt{16}$
3. $\sqrt{1}$
4. $\sqrt{121}$

CHALLENGE

Find the value of

1. $\sqrt[3]{64}$
2. $\sqrt[3]{125}$
3. 5×10^4
4. 6.3×10^2

Powers and Roots