

Standard Form

Syllabus tracker [Open it online](#)

Name: _____

Date: _____

Tick one circle for each statement — on screen (click) or with a pen. Then try the quick checks: write your answer in the box, check it against the answers at the end, and tick “right” when you got it.

Writing numbers in standard form

Large and small numbers in standard form, and ordering them.

	Don't know	Shaky	Got it
I can write a large number in standard form.	☐	☐	☐
I can write a small number in standard form.	☐	☐	☐
I can order numbers written in standard form.	☐	☐	☐

Calculating in standard form

The four operations with numbers in standard form, with and without a calculator.

	Don't know	Shaky	Got it
I can multiply and divide numbers in standard form without a calculator.	☐	☐	☐
I can add and subtract numbers in standard form.	☐	☐	☐

Standard form in context

Real problems with very large or very small quantities.

	Don't know	Shaky	Got it
I can solve real problems using standard form.	☐	☐	☐

Quick checks

One quick question per statement. Answer in the box, then check the answers at the end.

1. Write 4 560 000 in standard form.

A 4.56×10^6 **B** 45.6×10^5 **C** 4.56×10^5 **D** 0.456×10^7

Answer: _____ ☐ I got it right

2. $0.00072 = 7.2 \times 10^n$. What is n?

Answer: _____ ☐ I got it right

3. Which is the smallest?

A 3.1×10^{-2} **B** 9.8×10^{-3} **C** 1.2×10^{-2} **D** 5×10^{-3}

Answer: _____ ☐ I got it right

4. Work out $(3 \times 10^4) \times (4 \times 10^5)$.

A 12×10^9 **B** 1.2×10^{10} **C** 1.2×10^9 **D** 7×10^9

Answer: _____ ☐ I got it right

5. Work out $5 \times 10^3 + 7 \times 10^2$.

A 1.2×10^5 **B** 5.7×10^3 **C** 12×10^5 **D** 5.07×10^3

Answer: _____ ☐ I got it right

6. Light travels 3×10^8 m in one second. How many seconds does it take to travel 1.5×10^{11} m?

Answer: _____

☐ I got it right

Answers

Try every question first, then check.

1. A: 4.56×10^6

2. -4

3. D: 5×10^{-3}

4. B: 1.2×10^{10}

5. B: 5.7×10^3

6. 500