GCSE FOUNDATION · REVISION MAT 2

Standard form

1 Write these numbers in standard form.

(a) 720 000

(b) 0.0091

2 Write these as ordinary numbers.

(a) 5.1×10^{4}

(b) 8×10^{-4}

3 Explain why 0.6×10^{7} is not written in standard form.

Write it correctly in standard form.

4 Show that 6.1×10^{-3} is greater than 58×10^{-4}

5 A coin is 2×10^{-1} cm thick.

350 of them are stacked in a pile.

Work out the height of the pile in cm.

6 The length of a grain of sand is 6×10^{-4} m.

The length of a pebble is 3×10^{-2} m.

How many times longer is a pebble than a grain of sand?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 2

Standard form

1 (a) **7.2×10^{5}**

(b) **9.1×10^{-3}**

2 (a) **51 000**

(b) **0.0008**

3 The first number must be at least 1 and less than 10.

6×10^{6}

4 $58 \times 10^{-4} = 5.8 \times 10^{-3}$

so 6.1×10^{-3} is **greater** ✓

5 $350 \times 2 \times 10^{-1}$

= **70 cm**

6 $(3 \times 10^{-2}) \div (6 \times 10^{-4})$

= **50** times longer

Mr&Mrs MATHS