

SMART EXAM RESOURCES

TOPIC : NUMBERS

STANDARD FORM

SET-1-QP-MS

1

The distance from the Earth to the Moon is 3.8×10^5 km.

A spacecraft travels this distance four times.

Calculate the total distance travelled.

Give your answer in standard form.

Answer km [2]

MARK SCHEME:

(a)	$4 \times 3.8 \times 10^5$ $1.52(0\dots) \times 10^6$	M1 A1	If zero scored SC1 for 1.5×10^6 ww. www 2 [2]
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2 Write 36 000 in standard form.

Answer [1]

MARK SCHEME:

	$3.6(0) \times 10^4$	B1	[1]
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3

The population of India in 2011 was 1.21×10^9 .
The population of Pakistan in 2011 was 1.77×10^8 .

Calculate the total population of India and Pakistan in 2011.
Give your answer in standard form.

Answer [2]

MARK SCHEME:

	1.387×10^9	2	B1 for figs 1387 or 12.1×10^8 or 0.177×10^9
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- 4** Work out $(1.6 \times 10^3) \div (4 \times 10^5)$.
Give your answer in standard form.

Answer [2]

MARK SCHEME:

	4×10^{-3}	2	B1 0.4×10^{-2} o.e.
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