

SMART EXAM RESOURCES

0580 EXTENDED MATH

TOPIC: NUMBERS

SUB-TOPIC: ROUNDING TO NEAREST KILOMETER

SET-1-QP-MS

1 To raise money for charity, Jalaj walks 22 km, correct to the nearest kilometre, every day for 5 days.

(a) Complete the statement in the answer space for the distance, d km, he walks in one day.

Answer (a) $\leq d <$ [2]

MARK SCHEME:

(a)	21.5	22.5	1,1	SC1 correct but reversed
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2 A spacecraft made 58 376 orbits of the Earth and travelled a distance of 2.656×10^9 kilometres.

(a) Calculate the distance travelled in 1 orbit correct to the nearest kilometre.

Answer(a) km [2]

MARK SCHEME:

(a) 45498 or 4.5498×10^4 cao	2	M1 $2.656 \times 10^9 \div 58376$
(b) 7240	2	M1 $\frac{(a)}{2\pi} = (r)$