SMART EXAM RESOURCES
0580 EXTENDED MATH
TOPIC: NUMBERS
SUB-TOPIC: FRACTIONS
CONVERT NATURAL NUMBERS TO DECIMALS
SET-1-QP-MS

1 A light on a computer comes on for 26 700 microseconds.

One microsecond is 10^{-6} seconds.

Work out the length of time, in seconds, that the light is on

(a) in standard form,

Answer(a) .... s [1]

(b) as a decimal.

Answer(b) s [1]

MARK SCHEME:

(a) 2.67×10^{-2}	1	cao – must be correct notation	
(b) 0.0267(00…)	1ft	correct or ft	

2 A light on a computer comes on for 38 500 microseconds.

One microsecond is 10^{-6} seconds.

Work out the length of time, in seconds, that the light is on

(a) in standard form,

Answer(a) .... s [1]

(b) as a decimal.

Answer(b) .... s [1]

MARK SCHEME:

(a) 3.85×10^{-2}	1	cao – must be correct notation
(b) 0.0385(00…)	1ft	correct or ft