# Maths skills – M0.2 Recognise and use expressions in decimal and standard form

## Teacher answers

### Quiz

1. Convert each of these into standard form, to one decimal place.

|  |  |  |
| --- | --- | --- |
| 1) | 40000000 | 4.0 x 107 |
| 2) | 8567 | 8.6 x 103 |
| 3) | 0.0000007 | 7.0 x 10-7 |
| 4) | 0.07607 | 7.6 x 10-2 |
| 5) | 4500067 | 4.5 x 106 |
| 6) | 93 | 9.3 x 101 |
| 7) | 7 | 7.0 x 100 |
| 8) | 62545 | 6.3 x 104 |

1. Multiply these numbers, giving your answer in standard form to one decimal place:

|  |  |  |
| --- | --- | --- |
| 1) | (1 x 104) x ( 6 x 103)  | = 6.0 x 107 |
| 2) | (3 x 104) x (3 x 10-1)  | = 9.0 x 103 |
| 3) | (2 x 10-2) x (3 x 10-3) | = 6.0 x 10-5 |
| 4) | (4 x 102) x (5 x 103)  | = 20 x 105 = 2.0 x 106 |

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