

LO: To Multiply Decimals by 10, 100 or 1000

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| <p>a) 10.8×10</p> <p>b) 5.8×1000</p> <p>c) 0.05×10</p> <p>d) 1000×0.7</p> <p>e) 70.3×100</p> <p>f) 100×7.96</p> <p>g) 10×70.05</p> | <p><u>Challenge</u></p> <p>h) $£3.05 \times 10$</p> <p>i) $100 \times £24.90$</p> <p>j) $£8.95 \times 1000$</p> <p>k) $10 \times £20.56$</p> <p>l) $67p \times 100$</p> <p>m) $5p \times 1000$</p> <p>Don't forget to write the answers in pounds or pence, and to convert to pounds if the answer is more than 99p.</p> |
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Remember - when you multiply by 10, 100 or 1000, the digits move up the place value chart, and zeros are put on the end of the number as place holders (if they are required).

We will go over this work in tomorrow's maths lesson.

Use the place value charts below to help you x by 10, 100 and 1000.

| Hth | Tth | Th | H | T | O | t | h |
|----------------------|------------------|-----------|----------|------|------|-----------------------|-------------------------|
| Hundred Thousands | Ten Thousands | Thousands | Hundreds | Tens | Ones | Tenths | Hundredths |
| 100 000 | 10 000 | 1000 | 100 | 10 | 1 | 0.1 $\frac{1}{10}$ | 0.01 $\frac{1}{100}$ |
| | | | | | | | |

| Hth | Tth | Th | H | T | O | t | h |
|----------------------|------------------|-----------|----------|------|------|-----------------------|-------------------------|
| Hundred Thousands | Ten Thousands | Thousands | Hundreds | Tens | Ones | Tenths | Hundredths |
| 100 000 | 10 000 | 1000 | 100 | 10 | 1 | 0.1 $\frac{1}{10}$ | 0.01 $\frac{1}{100}$ |
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