## Multiplication

Skill: Solve 1-step problems using multiplication



One bag holds 5 apples. How many apples do 4 bags hold?



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$$
\begin{gathered}
5+5+5+5=20 \\
4 \times 5=20 \\
5 \times 4=20
\end{gathered}
$$

Year: 1/2

Children represent multiplication as repeated addition in many different ways.

In Year 1, children use concrete and pictorial representations to solve problems. They are not expected to record multiplication formally.

In Year 2, children are introduced to the multiplication symbol.



| Skill: Multiply 4-digit numbers by 1-digit numbers |  |  |  |  | Year: 5 <br> When multiplying 4digit numbers, place value counters are the best manipulative to use to support children in their understanding of the formal written method. <br> If children are multiplying larger numbers and struggling with their times tables, encourage the use of multiplication grids so children can focus on the use of the written method. |
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|  |  |  | ${ }^{\mathrm{t} \text { tem }}$ <br> B) <br> © <br> 5 <br> T <br> 2 <br> 7 | ,478 <br> 0 <br> 6 <br> 3 <br> 8 |  |




| Skill: Multiply 4-digit numbers by 2 -digit numbers |  |  |  |  | Year: 5/6 <br> When multiplying 4digits by 2-digits, children should be confident in using the formal written method. <br> If they are still struggling with times tables, provide multiplication grids to support when they are focusing on the use of the method. <br> Consider where exchanged digits are placed and make sure this is consistent. |
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|  |  |  |  |  |  |
| TTh | Th | H | T | 0 |  |
|  | 2 | 7 | 3 | 9 |  |
| $\times$ |  |  | 2 | 8 |  |
| $2^{2}$ | $5^{1}$ | $3^{9}$ | $7{ }^{1}$ | 2 |  |
| $1^{5}$ | 4 | 7 | 8 | 0 |  |
| 7 | 6 | 6 | 9 | 2 |  |
|  |  | 1 |  |  |  |
|  |  |  |  |  |  |

