1. Class 4 are multiplying $28 \times 4$ mentally. They are trying two different methods.
   a) Complete their calculations.

   **Method 1**
   
   $20 \times 4 + 8 \times 4 = \boxed{} + \boxed{} = \boxed{}$

   **Method 2**
   
   $4 \times \boxed{} = \boxed{}$

   b) Which method do you find easier?
   Talk about it with a partner.

   c) What other methods could you use to work out $28 \times 4$?

2. Mo, Amir and Annie worked out $35 \times 6$ in 3 different ways.
   a) Work out the answer using each method to show that they are all correct.

   - Mo: I multiplied 30 by 6 and then added 5 more lots of 6
   - Amir: I multiplied 35 by 2, then multiplied that answer by 3
   - Annie: I multiplied 5 by 6, then multiplied that answer by 7

   b) Who has used the most efficient method?
   Talk about it with a partner.
5 Esther has found a quick way to multiply 84 by 5

\[
\begin{align*}
84 \times 5 &= 840 \\
84 \times 10 &= 840 \\
(\text{then divide by } 2) \text{ which is } 420
\end{align*}
\]

Use Esther’s method to complete the calculations.

43 \times 5 = 215 \\
74 \times 5 = 370 \\
62 \times 5 = 310

6 Tommy and Dora are both working out 25 \times 8

\[
25 \times 8 = 25 \times 10 - 25 \times 2
\]

a) Use Tommy’s method to work out the answer.

b) Use Dora’s method to work out the answer.

25 \times 8 = 50 \times 8 \div 2

3 Scott is working out 21 \times 4

\[
\begin{align*}
20 \times 4 &= 80 \\
80 - 4 &= 76 \\
21 \times 4 &= 76
\end{align*}
\]

a) What mistake has Scott made?

b) What is the correct answer?

4 Jack works out 36 \times 9

\[
\begin{align*}
36 \times 9 &= 324
\end{align*}
\]

Adapt Jack’s method to work out 36 \times 99

\[
\begin{align*}
36 \times 99 &= 3564
\end{align*}
\]