1. Double the ones and tens separately and add the result: \(2 \times 36 = 2 \times 30 + 2 \times 6 = 60 + 12 = 72\).

<table>
<thead>
<tr>
<th>Double</th>
<th>25</th>
<th>45</th>
<th>16</th>
<th>28</th>
<th>18</th>
<th>17</th>
<th>35</th>
<th>55</th>
<th>39</th>
</tr>
</thead>
</table>

2. The arrays of squares show that \(2 \times 3 = 3 \times 2\):
   - \(2 \times 3\) squares
   - \(3 \times 2\) squares

   a) On grid paper, draw an array of squares to show that \(7 \times 5 = 5 \times 7\)
   b) If \(A\) and \(B\) are numbers, is \(A \times B\) always equal to \(B \times A\)? Explain.
   c) Draw all the rectangular arrays that you can make using 12 squares. How do the arrays show the factors of 12?

3. Rearrange the products so you can find the answer mentally.

   **Example:**
   - \(2 \times 8\) \(\times 35\)
   - \(2 \times 35\) \(\times 8\)
   - \(70\) \(\times 8\)
   - \(560\)

   **Example:**
   - \(4 \times 18\) \(\times 25\)
   - \(4 \times 25\) \(\times 18\)
   - \(100\) \(\times 18\)
   - \(1800\)

   a) \(2 \times 7\) \(\times 25\)
   b) \(4 \times 84\) \(\times 25\)
   c) \(2 \times 29\) \(\times 500\)

d) \(4 \times 475\) \(\times 25\)

e) \(2 \times 36\) \(\times 2\) \(\times 250\)

f) \(25 \times 2\) \(\times 50\) \(\times 4\)

g) \(2 \times 2 \times 15\) \(\times 250\)

h) \(2 \times 853\) \(\times 500\)

i) \(4 \times 952\) \(\times 25\)

4. **Printer** | **Printing Rate**
--- | ---
A | 1 page every 2 seconds
B | 90 pages per minute
C | 2 pages every second
D | 160 pages in 2 minutes

Which printer is the fastest? Explain how you know.

5. **Amount** | **Cost**
--- | ---
First 20 | 32 cents for each mango
Next 20 | 25 cents for each mango
More than 40 | 17 cents for each mango

The chart shows the price a grocery store pays for mangoes. How much would the following amounts cost?

a) 15 mangos
b) 30 mangos
c) 50 mangos
1. You can multiply a 3-digit number by a 2-digit number using the method you learned previously.

Multiply.

a) \[
\begin{array}{c}
3 \\
2 \\
\hline
1 \\
\hline
1122
\end{array}
\times
\begin{array}{c}
2 \\
1 \\
\hline
374 \\
\hline
1122
\end{array}
\]

b) \[
\begin{array}{c}
4 \\
6 \\
9 \\
\hline
469 \\
\hline
1870
\end{array}
\times
\begin{array}{c}
2 \\
3 \\
\hline
23 \\
\hline
1870
\end{array}
\]

c) \[
\begin{array}{c}
6 \\
8 \\
5 \\
\hline
685 \\
\hline
1982
\end{array}
\times
\begin{array}{c}
2 \\
7 \\
\hline
27 \\
\hline
1982
\end{array}
\]

2. Cross out any number that is not a multiple of 4.

\[
13 \quad 24 \quad 32 \quad 50 \quad 40 \quad 2 \quad 27
\]

3. Write the odd multiples of 7 that are between 20 and 80.

\[
\bigcirc \quad \bigcirc \quad \bigcirc \quad \bigcirc \quad \bigcirc \quad \bigcirc
\]

4. What is the fifth prime number? Explain how you know.

5. Multiply.

a) \(569 \times 34\)  
b) \(792 \times 87\)  
c) \(926 \times 96\)  
d) \(5243 \times 88\)

6. The Karakoran mountain range in Tibet pushes up 2 cm a year. How much higher will the range be in 500 years?

7. Each basket holds 47 apples each. There are 326 baskets. How many apples are there altogether?

8. What is the largest factor of 24 that is less than 24?

9. Hassim plays basketball every week for 136 minutes. He needs 1350 minutes to get a job at the summer camp. If he plays for 7 weeks, will he have enough hours?

10. Find the missing digits.

a) \[
\begin{array}{c}
3 \square 4 \\
\hline
\square 3
\end{array}
\times
\begin{array}{c}
9 \\
\hline
972
\end{array}
\]

b) \[
\begin{array}{c}
7 \square 7 \\
\hline
\square 5
\end{array}
\times
\begin{array}{c}
3 \\
\hline
3885
\end{array}
\]

c) \[
\begin{array}{c}
2 \square 2 \\
\hline
\square
\end{array}
\times
\begin{array}{c}
1 \\
\hline
10008
\end{array}
\]