

Multiply With Place Value



Use the matching sheet ID when checking answers.

Use the material to work through each task. Show the requested response.

1. Complete: $34 \times 6 = 30 \times 6 + \underline{\quad} \times 6$.

Answer: 4

2. Find 34×6 .

Answer: 204

3. Find 25×12 using $25 \times 10 + 25 \times 2$.

Answer: 300

4. Find 42×13 .

Answer: 546

5. A student says $31 \times 4 = 12 + 4$. What should the first partial product be?

Answer: 120

6. Explain why $17 \times 5 = 10 \times 5 + 7 \times 5$.

Look for:

- Connects decomposition to equal groups.

One possible response: 17 has parts 10 and 7, so each part is multiplied by 5 and the products are combined.

Open responses use criteria and an illustrative response. Other well-supported responses can be acceptable.