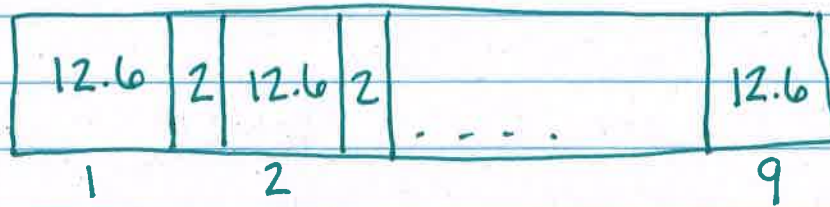


M2L7-8

Application Problem

The total length of the buses is 129.4 meters



$$\begin{array}{r} 12.6 \\ \times 9 \\ \hline 113.4 \end{array}$$

$$(12.6 \times 9) + (2 \times 8)$$

$$113.4 + 16$$

$$129.4$$

$$\begin{array}{r} 113.4 \\ + 16.0 \\ \hline 129.4 \end{array}$$

M2L7-8: Multiplying Multi-Digit Whole Numbers

$$524 \times 136$$

$$500 \times 100 \approx 50,000$$

| | | | | |
|-----|--------|------|-----|------------|
| | 500 | + 20 | + 4 | |
| 6 | 3000 | 120 | 24 | = 3144 ↙ |
| + | | | | |
| 30 | 15,000 | 600 | 120 | = 15720 |
| + | | | | |
| 100 | 50,000 | 2000 | 400 | = 52,400 ↗ |

$$\begin{array}{r} 1 \overline{) 3144} \\ \underline{3144} \\ 0 \\ \underline{15720} \\ 52400 \\ \hline 71,264 \end{array}$$

$$\begin{array}{r} 524 \\ \times 136 \\ \hline 3144 \\ 15720 \\ + 52400 \\ \hline 71,264 \end{array}$$

$$4519 \times 326$$

$$5000 \times 300 \approx 1,500,000$$

| | 4000 | + 500 | + 10 | + 9 | |
|-----|-----------|--------|------|------|-------------|
| 6 | 24000 | 3000 | 60 | 54 | 27,114 |
| + | | | | | |
| 20 | 80,000 | 10000 | 200 | 180 | 90380 |
| + | | | | | |
| 300 | 1,200,000 | 150000 | 3000 | 2700 | = 1,355,700 |

$$\begin{array}{r} 27114 \\ + 90380 \\ \hline 1355700 \\ \hline 1,473,194 \end{array}$$

$$\begin{array}{r} \overset{1}{4} \overset{2}{5} \overset{1}{1} \overset{9}{9} \\ \times \quad \quad \quad \overset{3}{3} \overset{2}{2} \overset{6}{6} \\ \hline 27114 \\ + 90380 \\ \hline 1355700 \\ \hline 1,473,194 \end{array}$$