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Grade 5, Unit 4, Section B: Additional Practice Problems **KEY**

1. 360 pencils make bundles of 12.

a. $360 \div 12$

b. 30

c. Sample response: $25 \times 12 = 300$, $5 \times 12 = 60$, and $25 + 5 = 30$.

2. a.

$630 \div 14$	$910 \div 14$
$420 \div 14$	
$168 \div 14$	$700 \div 14$
$42 \div 14$	$154 \div 14$
	$56 \div 14$

b.

$$630 \div 14 = 45$$

$$910 \div 14 = 65$$

3.

$$\begin{array}{r}
 \boxed{37} \\
 1 \\
 6 \\
 30 \\
 15 \overline{) 555} \\
 \underline{- 450} \quad (30 \times \boxed{15}) \\
 \boxed{105} \\
 \underline{- 90} \quad (6 \times \boxed{15}) \\
 \boxed{15} \\
 \underline{- 15} \quad (1 \times \boxed{15}) \\
 0
 \end{array}$$

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4. 30. Sample response: Because. $900 \div 30 = 30$.

5. Find the value of each expression. Show your thinking.

a. 46

$$\begin{array}{r}
 \boxed{46} \\
 6 \\
 20 \\
 20 \\
 \hline
 17 \overline{)782} \\
 - 340 \quad (20 \times 17) \\
 \hline
 442 \\
 - 340 \quad (20 \times 17) \\
 \hline
 102 \\
 - 102 \quad (6 \times 17) \\
 \hline
 0
 \end{array}$$

b. 35

$$\begin{array}{r}
 \boxed{35} \\
 5 \\
 30 \\
 \hline
 37 \overline{)1,295} \\
 - 1,110 \quad (30 \times 37) \\
 \hline
 185 \\
 - 185 \quad (5 \times 37) \\
 \hline
 0
 \end{array}$$

c. 25

$$\begin{array}{r}
 \boxed{25} \\
 10 \\
 15 \\
 \hline
 57 \overline{)1,425} \\
 - 855 \quad (15 \times 57) \\
 \hline
 570 \\
 - 570 \quad (10 \times 57) \\
 \hline
 0
 \end{array}$$

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6.

volume (cubic inches)	length (inches)	width (inches)	height (inches)
798	7	19	6
1,728	4	36	12
1,456	13	14	8

7. EXPLORATION

Sample responses:

- 10 feet long, 43 feet wide, 5 feet deep
- 15,050 divided by 7 is equal to 2,150. Jada needs to build a pool that has a volume of 2,150 cubic feet. She could build a pool that is 10 feet long, 43 feet wide, and 5 feet deep.