

# Completing Division Sentences

NCTM Standards 1, 2, 6, 7, 8, 9, 10

**Complete the puzzles.**

**Rule I:** Use only numbers from the green block to fill in the green boxes.

**Rule II:** Try to use the largest number possible at each step.

**Rule III:** Use a zero for any green box that you do not need.

0	1	2	3	4	5	6	7	8	9
0	10	20	30	40	50	60	70	80	90
0	100	200	300	400	500	600	700	800	900

1

$$\begin{array}{r} \square \\ \square \\ \square \\ 5 \overline{) 545} \end{array}$$

$$\begin{array}{r} \square \\ \hline \end{array}$$

What's left?

$$\begin{array}{r} \square \\ \square \\ \hline \end{array}$$

What's left?

$$\begin{array}{r} \square \\ \square \\ \hline \end{array}$$

What's left?

$$\begin{array}{r} \square \\ \square \\ \hline 0 \end{array}$$

$$545 \div 5 = \square$$

2

$$\begin{array}{r} \square \\ \square \\ \square \\ 3 \overline{) 396} \end{array}$$

$$\begin{array}{r} \square \\ \hline \end{array}$$

$$\begin{array}{r} \square \\ \square \\ \hline \end{array}$$

$$\begin{array}{r} \square \\ \square \\ \hline \end{array}$$

$$\begin{array}{r} \square \\ \square \\ \hline 0 \end{array}$$

$$396 \div 3 = \square$$

3

$$\begin{array}{r} \square \\ \square \\ \square \\ 6 \overline{) 558} \end{array}$$

$$\begin{array}{r} \square \\ \hline \end{array}$$

$$\begin{array}{r} \square \\ \square \\ \hline \end{array}$$

$$\begin{array}{r} \square \\ \square \\ \hline \end{array}$$

$$\begin{array}{r} \square \\ \square \\ \hline 0 \end{array}$$

$$558 \div 6 = \square$$

**Divide.**

4

$$15 \overline{)225}$$

$$225 \div 15 = \boxed{\phantom{00}}$$

5

$$5 \overline{)1,380}$$

$$1,380 \div 5 = \boxed{\phantom{00}}$$

6

$$6 \overline{)3,126}$$

$$3,126 \div 6 = \boxed{\phantom{00}}$$

7 Mr. Green has had 300 students over the course of his teaching career. One-fourth of his students have been 6 years old, one-third have been 7, and the rest have been 8. How many students of each age has Mr. Green taught?

\_\_\_\_\_ 6-year-olds

\_\_\_\_\_ 7-year-olds

\_\_\_\_\_ 8-year-olds



8 **Challenge** Write a division problem that has an answer between 111 and 222. Explain the solution.

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