

Teacher Guide

Paper-and-Pencil Addition (TG pp. 1–2)

Homework

Questions 1–5

$$\begin{array}{r}
 1. \quad 72 = 70 + 2 \qquad 72 \\
 \quad 16 = 10 + 6 \qquad + 16 \\
 \quad 80 + 8 = \textcircled{88} \qquad 80 \\
 \qquad \qquad \qquad + 8 \\
 \qquad \qquad \qquad \textcircled{88}
 \end{array}$$

$$\begin{array}{r}
 2. \quad 27 = 20 + 7 \qquad 27 \\
 \quad 34 = 30 + 4 \qquad + 34 \\
 \quad 50 + 11 = \textcircled{61} \qquad 11 \\
 \qquad \qquad \qquad + 50 \\
 \qquad \qquad \qquad \textcircled{61}
 \end{array}$$

$$\begin{array}{r}
 3. \quad 45 = 40 + 5 \qquad 45 \\
 \quad 59 = 50 + 9 \qquad + 59 \\
 \quad 90 + 14 = \textcircled{104} \qquad 90 \\
 \qquad \qquad \qquad + 14 \\
 \qquad \qquad \qquad \textcircled{104}
 \end{array}$$


$$\begin{array}{r}
 4. \quad 68 = 60 + 8 \qquad 68 \\
 \quad 37 = 30 + 7 \qquad + 37 \\
 \quad 90 + 15 = \textcircled{105} \qquad 90 \\
 \qquad \qquad \qquad + 15 \\
 \qquad \qquad \qquad \textcircled{105}
 \end{array}$$

$$\begin{array}{r}
 5. \quad 73 = 70 + 3 \qquad 73 \\
 \quad 85 = 80 + 5 \qquad + 85 \\
 \quad 150 + 8 = \textcircled{158} \qquad 150 \\
 \qquad \qquad \qquad + 8 \\
 \qquad \qquad \qquad \textcircled{158}
 \end{array}$$

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Name _____ Date _____

Paper-and-Pencil Addition



Dear Family Member:

Your child has been learning some different ways to solve addition problems using pencil and paper. We are reinforcing your child's growing understanding of the place value system. The two ways featured in this homework assignment are what we have called the expanded form method and the all-partials method. Examples of both are below.

Have your child explain them to you as he or she works these problems. You may have learned other ways to add, like the traditional algorithm. These methods will help your child develop conceptual understanding, flexibility, and fluency with multidigit addition.

Thank you.

Solve each problem using both ways. Look at the examples.

Example:	Expanded Form	All-Partials
61 + 28	61 = 60 + 1 + 28 = 20 + 8 80 + 9 = 89	61 + 28 80 + 9 89

Expanded Form All-Partials

1. $\begin{array}{r} 72 \\ + 16 \end{array}$

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Name _____ Date _____

	Expanded Form	All-Partials
2.	$\begin{array}{r} 27 \\ + 34 \end{array}$	
	Expanded Form	All-Partials
3.	$\begin{array}{r} 45 \\ + 59 \end{array}$	
	Expanded Form	All-Partials
4.	$\begin{array}{r} 68 \\ + 37 \end{array}$	
	Expanded Form	All-Partials
5.	$\begin{array}{r} 73 \\ + 85 \end{array}$	

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