

Number

Activity 32 Assessment Exploring Strategies for Dividing

Conceptual Meaning of Multiplication and Division with Larger Numbers (cont'd)		
Decomposes numbers and use partial products and partial quotients to multiply and divide.	Estimates to determine if answer to multiplication or division problem is reasonable.	Creates and solves multiplication and division problems flexibly using a variety of strategies.
$6 \times 287 = ?$ $\frac{287}{\times 6}$ $\frac{42}{42}$ $\frac{7 \times 6}{480}$ $\frac{480}{80 \times 6}$ $\frac{+1200}{1722}$ $(1 \text{ decomposed } 287 \text{ into hundreds, tens, and ones, then used partial products to multiply.})$	$6 \times 287 = 1722$ 287 is close to 300. $6 \times 300 = 1800$ 1800 is close to the answer I calculate, 1722. So, my answer is reasonable.	$123 \div 6 =?$ "I counted 123 photographs to put in an album. Each page can hold 6 photographs. How many pages will I need?" $6)123 \\ -60 \\ -63 \\ -60 \\ -R3 \\ -20$ "I round up to 21 pages to be sure all photos will fit."
Observations/Documentation		