

### **CHALLENGE 33: Multiplying 3-digit numbers by 1 digit numbers**

#### **Suggested Strategies:**

1. Partition the number into hundreds, tens and units
2. Use doubling (Multiplying by 4 is the same as doubling and doubling again!)

$227 \times 4 =$	$454 \times 6 =$	$138 \times 2 =$
$842 \times 3 =$	$635 \times 2 =$	$566 \times 3 =$
$579 \times 2 =$	$703 \times 4 =$	$216 \times 6 =$
$175 \times 7 =$	$336 \times 7 =$	$821 \times 3 =$
$246 \times 4 =$	$645 \times 3 =$	$522 \times 7 =$
$146 \times 4 =$	$782 \times 5 =$	$222 \times 8 =$
$249 \times 6 =$	$417 \times 8 =$	$505 \times 4 =$
$733 \times 2 =$	$552 \times 5 =$	$279 \times 3 =$
$271 \times 7 =$	$342 \times 5 =$	$654 \times 6 =$
$336 \times 8 =$	$415 \times 4 =$	$788 \times 2 =$
$348 \times 3 =$	$524 \times 6 =$	$357 \times 6 =$
$209 \times 2 =$	$418 \times 5 =$	$342 \times 3 =$
$423 \times 8 =$	$267 \times 2 =$	$578 \times 3 =$
$461 \times 6 =$	$532 \times 3 =$	$128 \times 5 =$
$745 \times 2 =$	$476 \times 3 =$	$347 \times 7 =$
$234 \times 8 =$	$627 \times 5 =$	$358 \times 4 =$