Grade 4 Unit 4 worksheet: Partial products

Name _____ Date _____ Period _____

1. Find each product with partial products. Write every partial product, then add.

(a) 6 × 73 (b) 4 × 852 (c) 5 × 3,148

2. Fill in each blank.

(a) $7 \times 365 = 7 \times \square + 7 \times 60 + 7 \times \square = 2{,}100 + \square + 35 =$ _____

(b) $43 \times 29 = 800 + 360 + \square + \square =$ _____

3. This area model is for 46 × 52. Fill in each piece.

×	**40**	**6**
50	_____	_____
2	_____	_____

(a) Add the four pieces to find 46 × 52.

(b) Which row of the model shows 46 × 50? What is 46 × 50?

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4. Mei's street has 7 apartment buildings that look exactly alike. Each building has 156 windows. How many windows do the buildings have in all? Write the partial products, then add.

5. Jin fills a stamp album. Each page holds 32 stamps, and 48 pages are full. How many stamps are in the album? Use a four-part area model or partial products.

6. Lucas multiplies 6 by a 4-digit number with partial products. A sticker covers one digit of the 4-digit number: 4, $\square$ 27. Another sticker covers one of his partial products:

$$24{,}000 + \square + 120 + 42 = 27{,}762$$

(a) What partial product is under the second sticker?

(b) What digit is under the first sticker? Explain how you know.

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