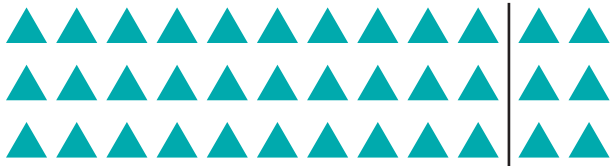


Using Sums to Multiply

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

Complete the multiplication problems to match the diagram. Make the third product equal to the sum of the first two products.

1



10	2	12
$\times 3$	$\times 3$	$\times 3$
30	6	

2



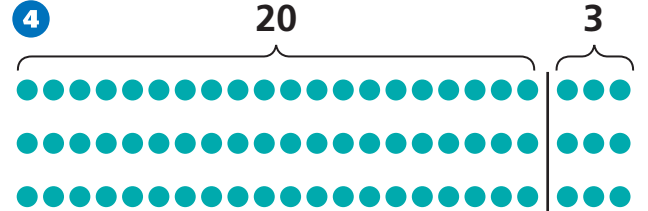
		15
$\times 2$	$\times 2$	$\times 2$

3



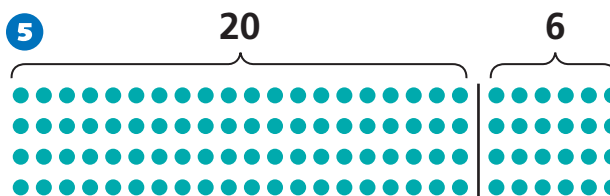
		16
$\times 3$	$\times 3$	$\times 3$

4

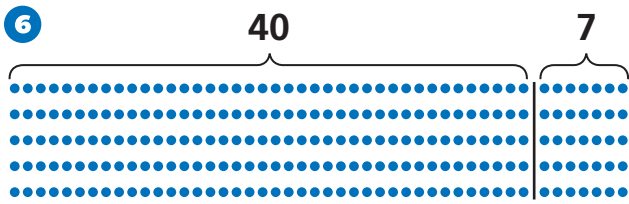


		23
$\times 3$	$\times 3$	$\times 3$

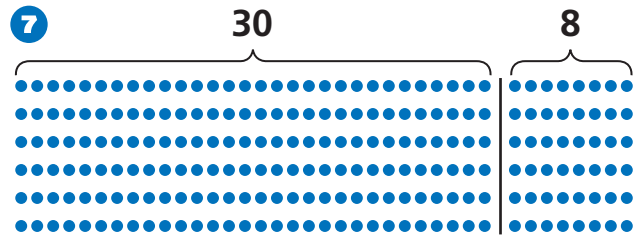
5



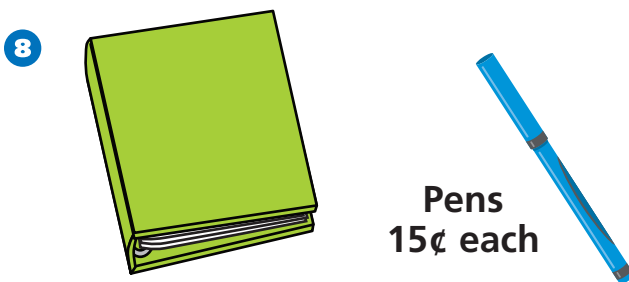
		26
$\times 4$	$\times 4$	$\times 4$



<input type="text"/>	<input type="text"/>	47
$\times 5$	$\times 5$	$\times 5$
<input type="text"/>	<input type="text"/>	<input type="text"/>



<input type="text"/>	<input type="text"/>	38
$\times 6$	$\times 6$	$\times 6$
<input type="text"/>	<input type="text"/>	<input type="text"/>



Notebooks
21¢ each

Pens
15¢ each

- 3 pens _____
- 3 notebooks _____
- 3 of each item _____
- 7 pens _____
- 7 notebooks _____
- 7 of each item _____

9 For Conall's birthday party, his parents hid packs of 10 trading cards for the children to find. Each of the 8 children found 2 packs, and then each got another 4 cards for game prizes. How many cards did the children collect? Explain how you found your answer.

10 Challenge 37×8

$$(\square \times 8) + (\square \times 8)$$

↓ ↓

$$\square + \square = \square$$

11 Challenge 23×4

$$(\square \times 4) + (\square \times 4)$$

↓ ↓

$$\square + \square = \square$$