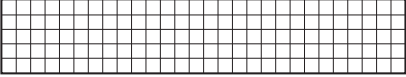
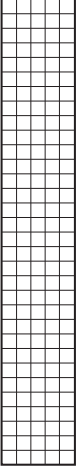


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Exploring Break-Apart Products with Larger Numbers

1. Find the number of squares in each rectangle. Show or tell how you know.

A. 

B. 

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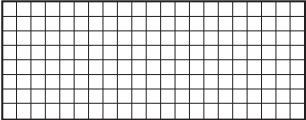
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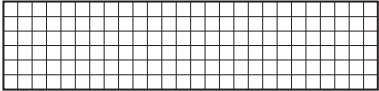
Find the number of small squares in each rectangle below using the break-apart method.

- Break the rectangle into two parts that make the multiplication easier.
- Write number sentences on each part that show the number of squares in each.
- Write a number sentence to show how to find the total number of squares in the large rectangle.

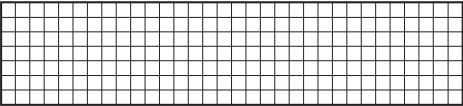
2. 8×21



3. 6×26



4. 7×32



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*Answers and/or discussion are included in the lesson.

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Exploring Break-Apart Products with Larger Numbers

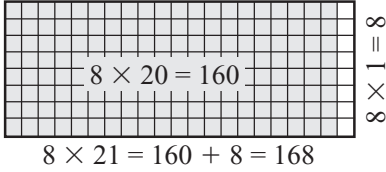
Questions 1–4 (SAB. pp. 85–86)

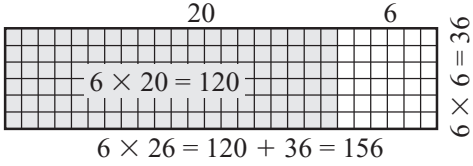
1. Strategies will vary.

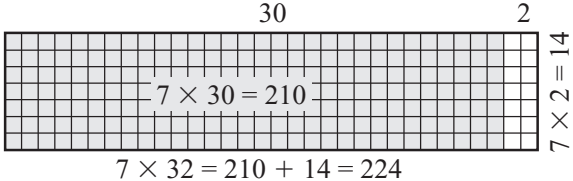
A.* 140 squares

B.* 160 squares

Questions 2–4. Strategies will vary. One possible strategy shown.

2.* 

3. 

4. 

Student Activity Book

Practicing Break-Apart Products

Homework

Questions 1–4 (SAB. pp. 87–88)

Strategies will vary. Possible response :

1.

$3 \times 20 = 60$ $3 \times 7 = 21$

$3 \times 27 = 60 + 21 = 81$

2.

$3 \times 22 = 66$

$3 \times 22 = 66$

$66 + 66 = 132$

3.

$40 \times 6 = 240$

$3 \times 6 = 18$

$240 + 18 = 258$

4.

$30 \times 8 = 240$

$7 \times 8 = 56$

$240 + 56 = 296$

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Practicing Break-Apart Products



Find the number of small squares in each rectangle using the break-apart method. The first one is an example.

- Break the rectangle into two parts that make the multiplication easier.
- Write number sentences on each part that show the number of squares in each.
- Write a number sentence to show how to find the total number of squares in the large rectangle.

Example: 4×23

$4 \times 20 = 80$

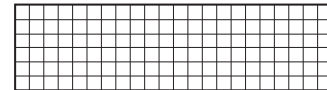
$4 \times 3 = 12$

$4 \times 23 = 80 + 12 = 92$

1. 3×27



2. 6×22



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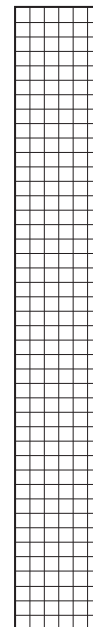
Break-Apart Products with Larger Numbers

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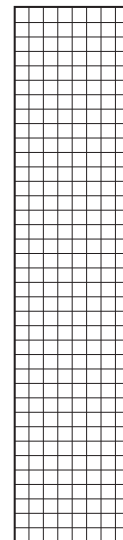
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3. 43×6



4. 37×8



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