The Area Model

1 Using the diagram to help you, complete the multiplication below.

$23 \times 22 \quad = \boxed{}$

Use the **area model** to help you fill the gaps and solve the problems.
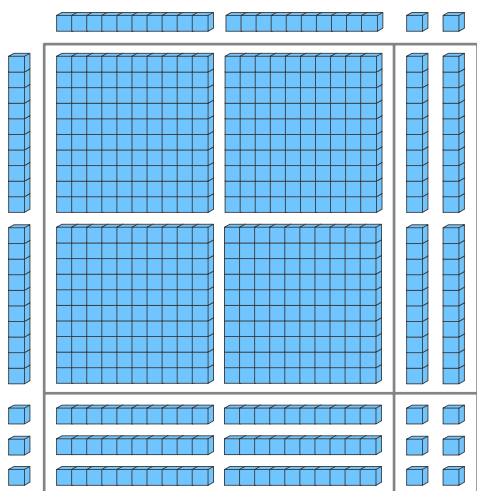
2

×	40	6
10		
8		

$46 \times 18 \quad = \quad 400 + 60 + 320 + 48$

$= \boxed{}$

3

×	70	1
20		
4		

$71 \times 24 \quad = \qquad + \qquad + \qquad +$

$= \boxed{}$

4

×	30	4
50		
5		

$34 \times 55 \quad = \qquad + \qquad + \qquad +$

$= \boxed{}$

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The Area Model **Answers**

1 Using the diagram to help you, complete the multiplication below.
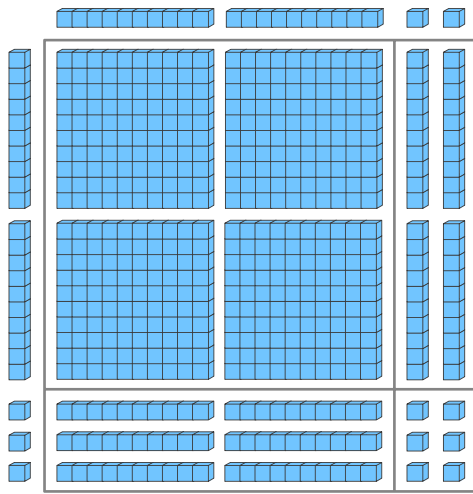
$23 \times 22 = $ **506**

2

×	40	6
10	**400**	**60**
8	**320**	**48**

$46 \times 18 = 400 + 60 + 320 + 48$

$= $ **828**

3

×	70	1
20	**1400**	**20**
4	**280**	**4**

$71 \times 24 = 1400 + 20 + 280 + 4$

$= $ **1704**

4

×	30	4
50	**1500**	**200**
5	**150**	**20**

$34 \times 55 = 1500 + 200 + 150 + 20$

$= $ **1870**

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