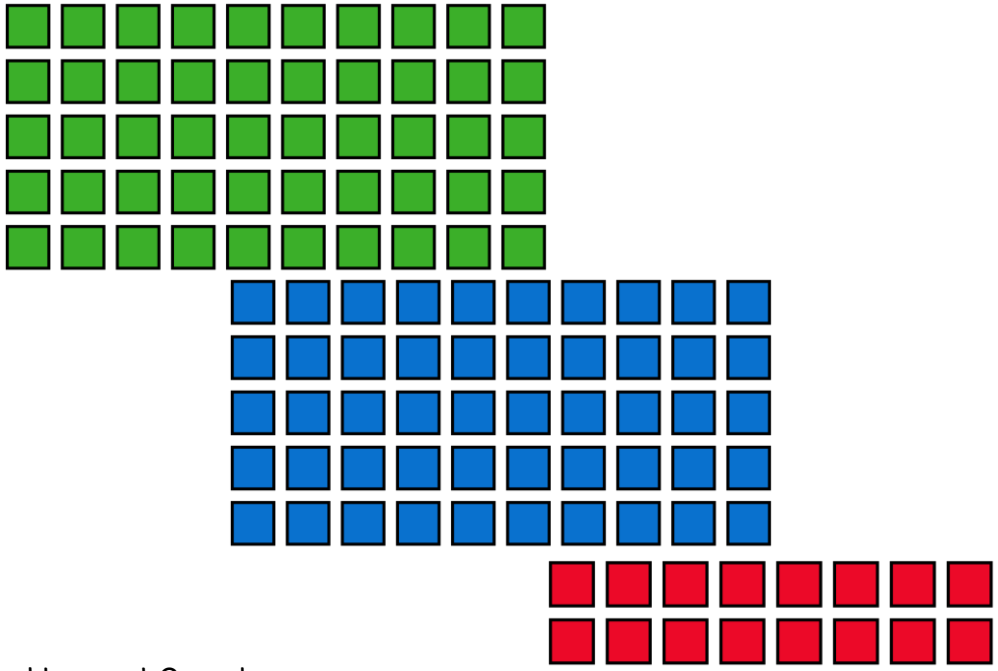
3.OA.5

The Distributive Property in Action!

Decomposing Factors for Partial Products



Source: Howard County

The Distributive Property in Action

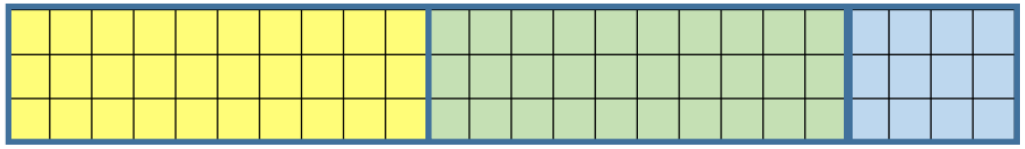
Materials:

- Decomposing factor cards
- Math journal, paper, or dry erase board and marker

Directions:

1) Solve each equation by decomposing a factor,
2) Multiplying each decomposed number by the remaining factor,
3) And then adding the partial products.
4) You may use a rectangular area model to help.

Example: 3 x 24 = ?



(3 x 10) (3 x 10) (3 x 4)

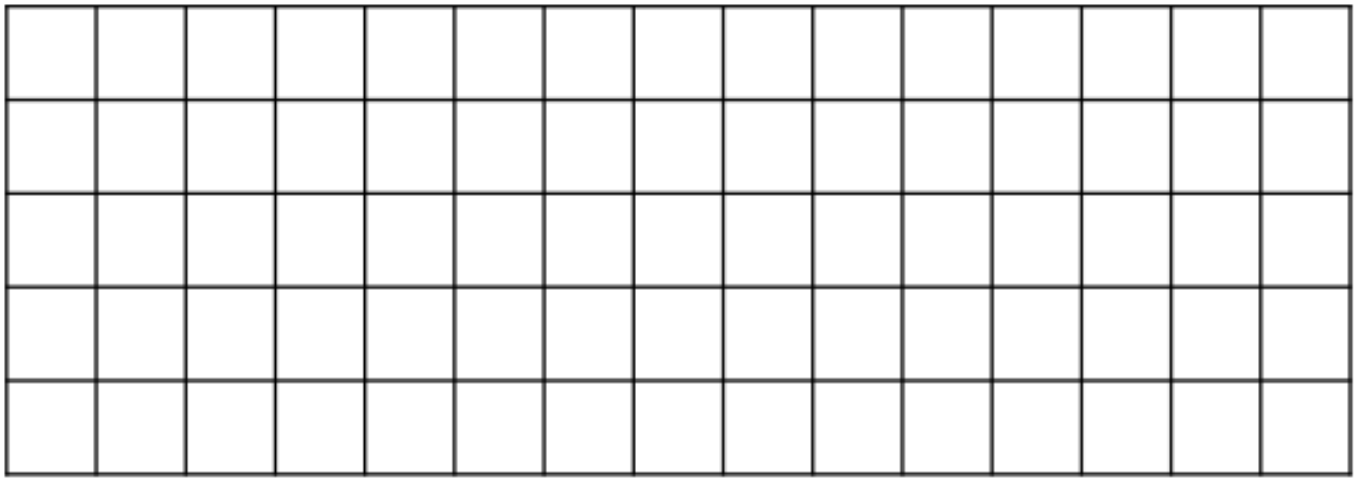
3 x 24 = (3 x 10) + (3 x 10) + (3 x 4)

30 + 30 + 12 = 72

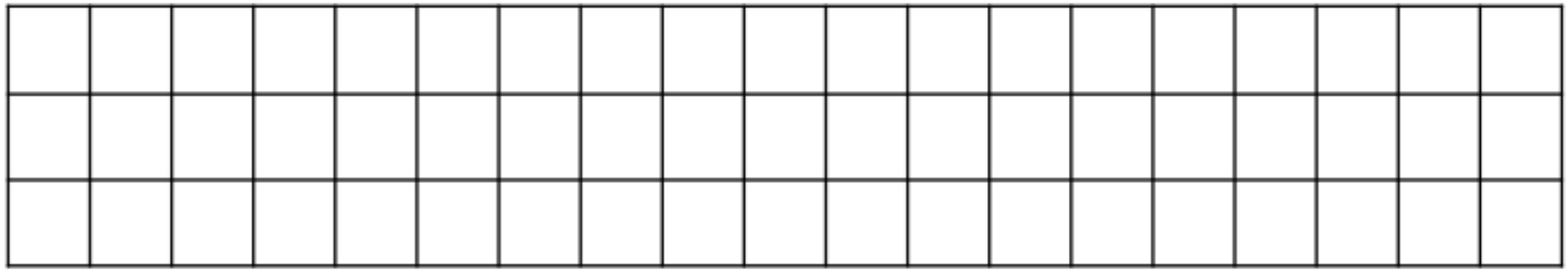
3 x 24 = 72

Decomposing Factor Cards

5 x 15 =

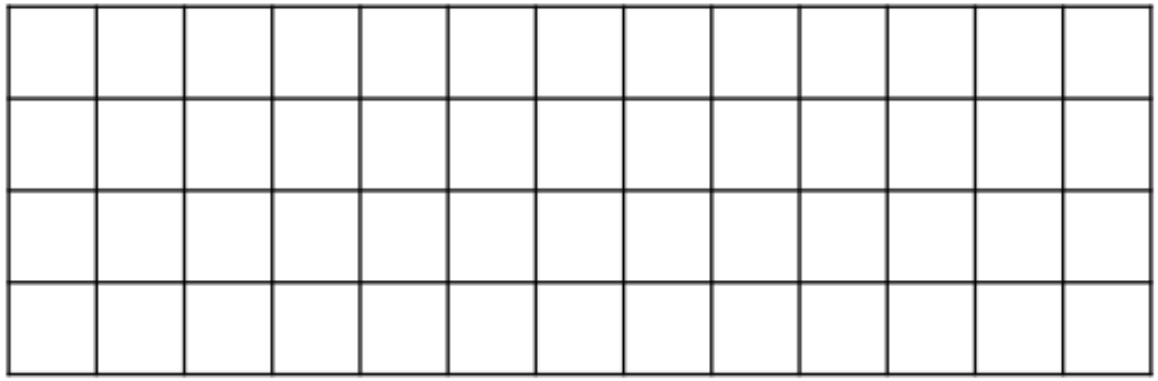


3 x 19 =

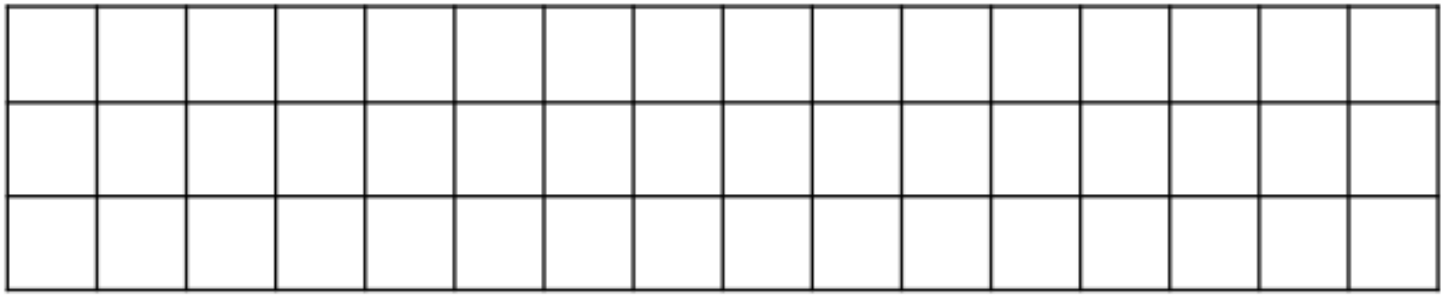


Decomposing Factor Cards

$4 \times 13 =$

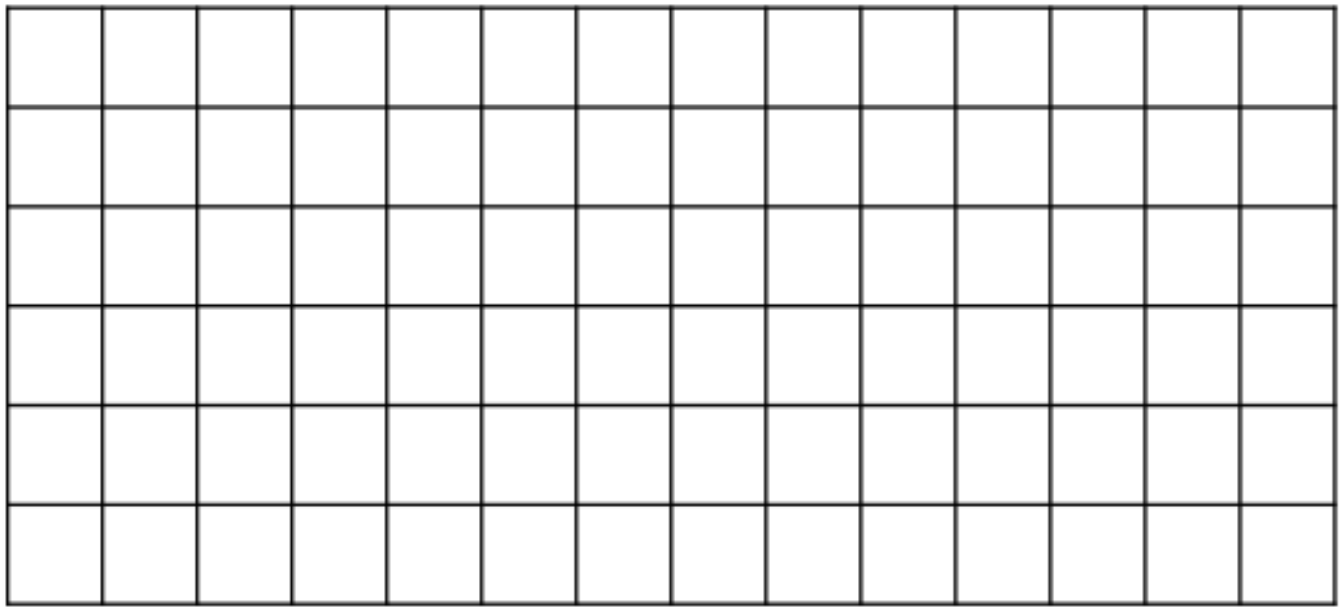


$3 \times 13 =$

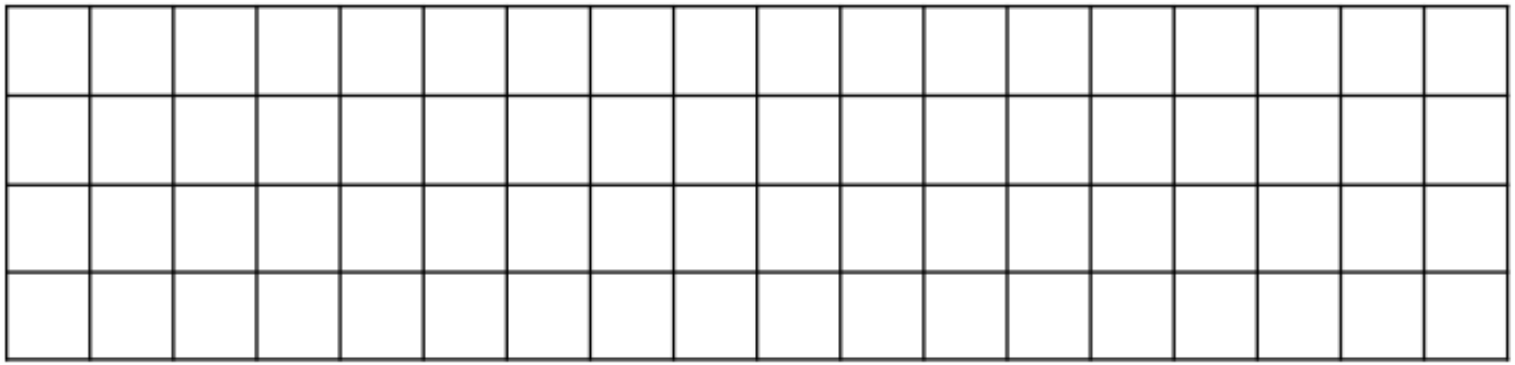


Decomposing Factor Cards

$6 \times 14 =$

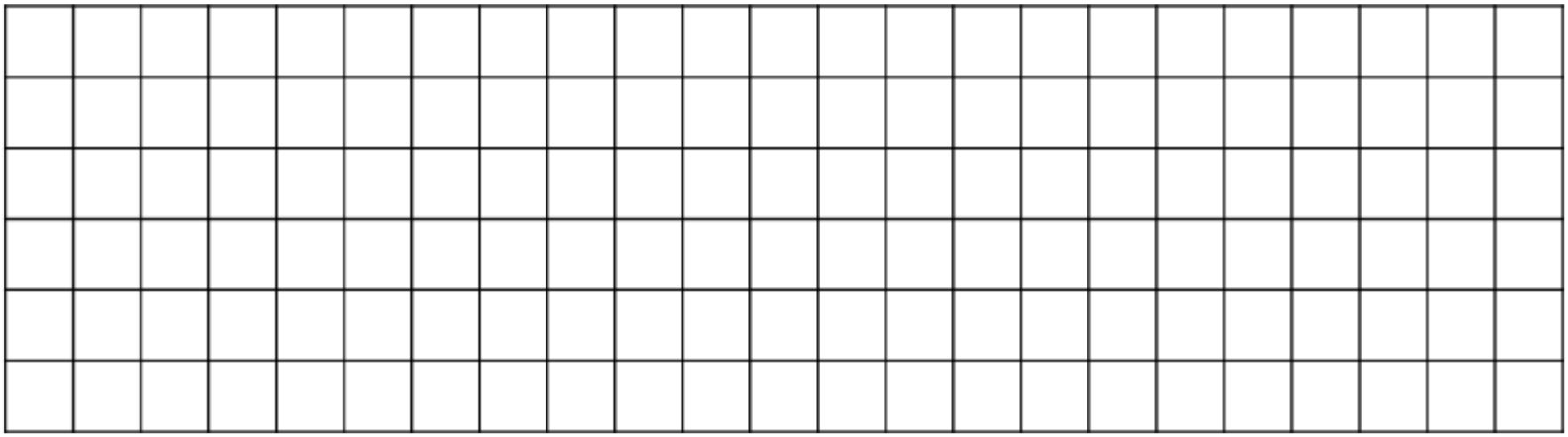


$4 \times 18 =$

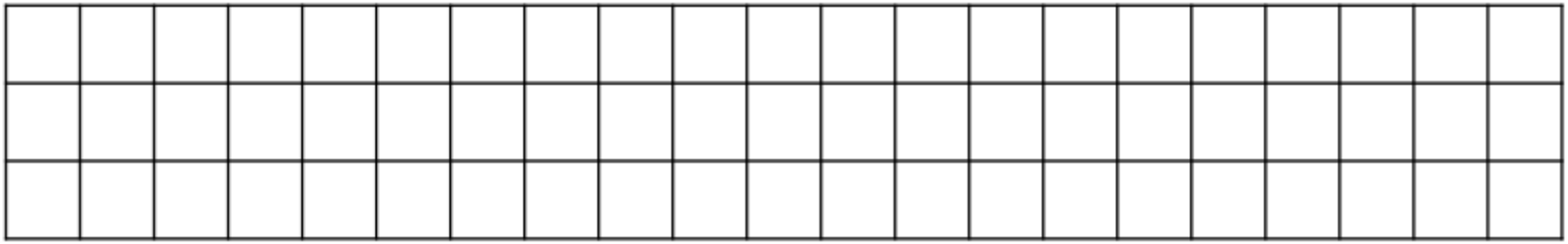


Decomposing Factor Cards

$6 \times 23 =$

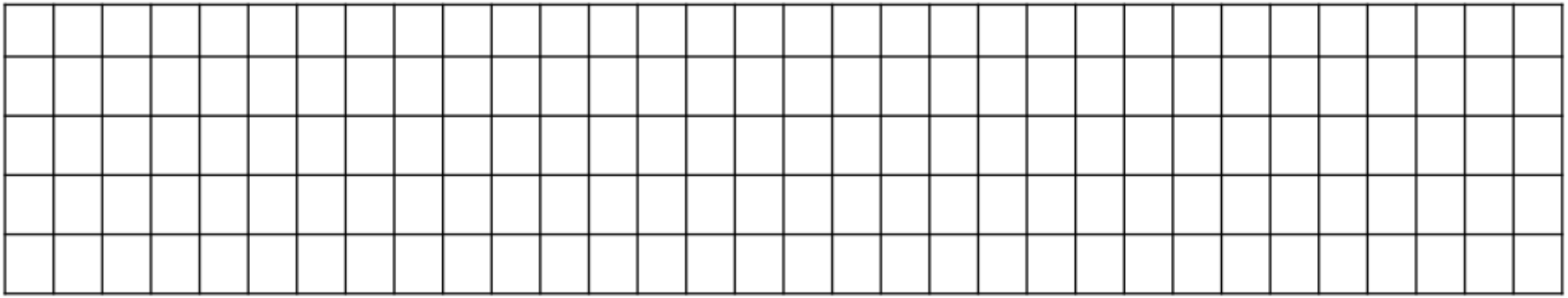


$3 \times 21 =$

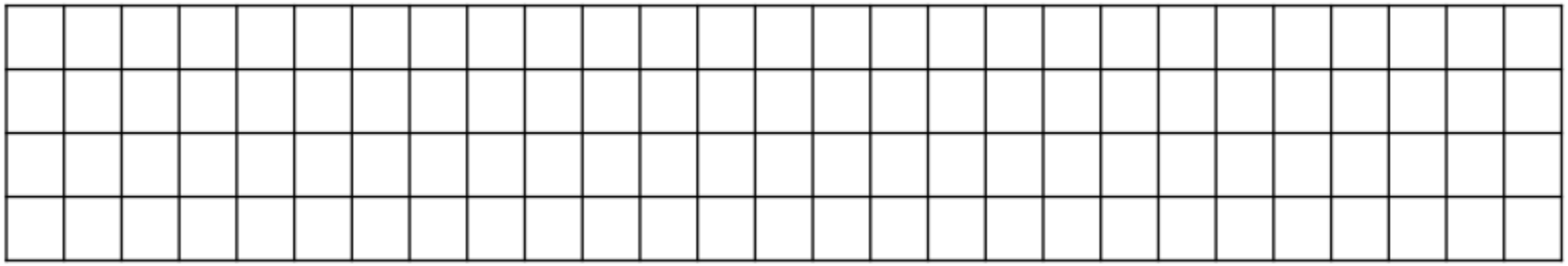


Decomposing Factor Cards

3 x 32 =

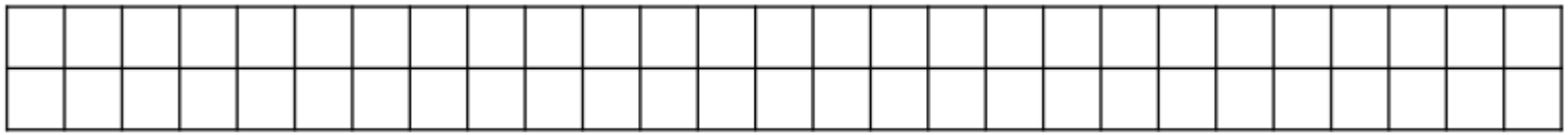


4 x 27 =

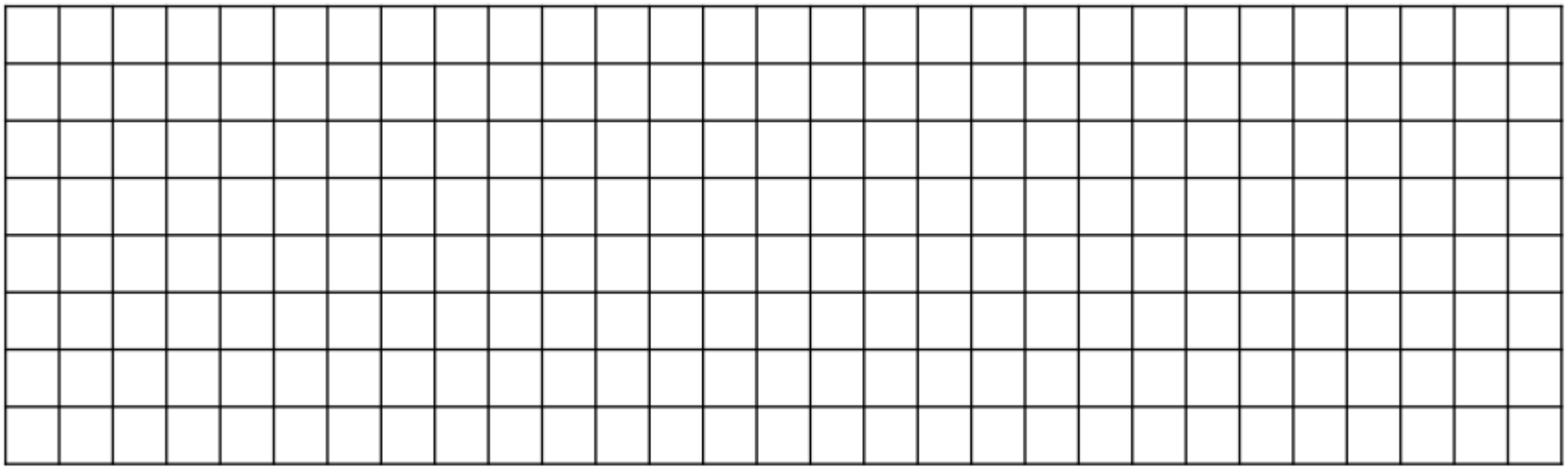


Decomposing Factor Cards

$2 \times 27 =$



$8 \times 29 =$



Graphics and Fonts

The Hands-On Teacher In First

kimberly geswein fonts

WHIMSY CLIPS

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