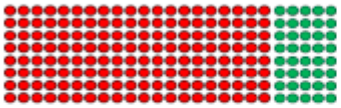
Practice

Class 4 are calculating 25 × 8 mentally.
Can you complete the calculations in each of the methods?

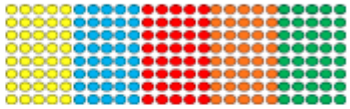
Method 1

$25 \times 8 = 20 \times 8 + 5 \times 8$
$= 160 + \square = \square$



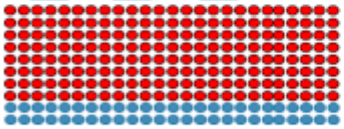
Method 2

$25 \times 8 = 5 \times 5 \times 8$
$= 5 \times \square = \square$



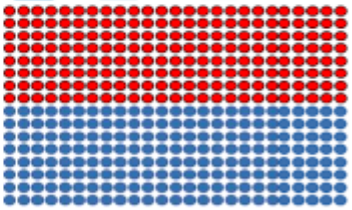
Method 3

$25 \times 8 = 25 \times 10 - 25 \times 2$
$= \square - \square = \square$



Method 4

$25 \times 8 = 50 \times 8 \div 2$
$= \square \div \square = \square$



Can you think of any other ways to mentally calculate 25 × 8?
Which do you think is the most efficient?
How would you calculate 228 × 5 mentally?

Reasoning

Teddy has calculated 19 × 3

$20 \times 3 = 60$
$60 - 1 = 59$
$19 \times 3 = 59$

Can you explain his mistake and correct the diagram?

Problem Solving

Here are three number cards.

21 42 38

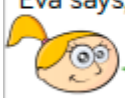
Dora, Annie and Eva choose one of the number cards each.
They multiply their number by 5
Dora says,

I did 40 × 5 and then subtracted 2 lots of five.

Annie says,

I multiplied my number by 10 and then divided 210 by 2

Eva says,



I halved my 2-digit number and doubled 5 so I calculated 21 × 10

Which number card did each child have?
Would you have used a different method to multiply the numbers by 5?