



# Operations SNAP

Equation:  $23 \times 8 = 184$

Use a strategy to estimate the answer:

$$\begin{array}{r} 20 \\ \times 10 \\ \hline = 200 \end{array}$$
  
 Rounding ✓

Show one way to solve the equation:

$$20 \times 8 = 160$$

$$3 \times 8 = 24$$

$$160 + 24 = 184$$
  
 Decomposing ✓

Show another way to solve the equation:

$$23 \times 8 = 184$$
  
 Doubling and halving ✓

Write a real-life example or a math story or problem:

I had 23 friends and each of them wanted to go to the movies. I had 184 in total.

Reflection:

If you had to think of a real life example, my favorite method was doubling and halving.

Reasoning & Analyzing:

Estimate 1 2 3 ✓

Understanding & Solving:

Example 1 1 2 3 ✓  
Example 2 1 2 3 ✓

Connecting & Reflecting:

Real-Life or Math Story or Problem 1 2 3 ✓  
Reflection 1 2 3 ✓



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Date: June 4 2024



### Operations SNAP

Equation:  $23 \times 8 = 184$

Use a strategy to estimate the answer:

$$\begin{array}{r}
 20 \times 8 = 160 \\
 3 \times 8 = 24 \\
 \hline
 + 160 \\
 24 \\
 \hline
 184
 \end{array}$$

Rounding

Show one way to solve the equation:

$$\begin{array}{l}
 8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96, 104, 112, \\
 120, 128, 136, 144, 152, 160, 168, 176, 184
 \end{array}$$

Skip counting 184

Show another way to solve the equation:

$$\begin{array}{l}
 3 \times 8 = 24 \quad 24 \div 8 = 3 \\
 9 \times 3 = 27 \quad 27 \div 3 = 9 \\
 20 \times 8 = 160 \quad 160 \div 8 = 20 \\
 8 \times 20 = 160 \quad 160 \div 20 = 8
 \end{array}$$

Related Facts +160 184

Write a real-life example or a math story or problem:

The CC was 23 houses in a neighborhood & people lived in 1 house each how many were in the neighborhood.  $23 \times 8 = 184$ . There was 184 people in that neighborhood and after they had a party to celebrate from there if out

Reflection:

I feel that this was very simple and easy but the skip counting took way to long. Also I feel that the rounding was also a bit complicated.

Reasoning & Analyzing:

Estimate 1 2 3

Understanding & Solving:

Example 1 1 2 3  
Example 2 1 2 3

Connecting & Reflecting:

Real-Life or Math Story or Problem 1 2 3  
Reflection 1 2 3



Name: \_\_\_\_\_

Teacher: \_\_\_\_\_

Date: June 4, 24



# Operations SNAP

Equation:  $23 \times 8 = 184$

Use a strategy to estimate the answer:

$20 \times 8 = 160$

$3 \times 8 = 24$

Rounding

$\frac{160}{8}$

Show one way to solve the equation:

Written

$$\begin{array}{r} 23 \\ \times 8 \\ \hline 184 \end{array}$$

Show another way to solve the equation:

$20 \times 8 = 160$

$3 \times 8 = 24$

$\frac{160}{8} + \frac{24}{8}$

Decomposing

Write a real-life example or a math story or problem:

There were 123 mushrooms and they each had 8 spots how many spots are in <sup>all</sup> <sup>these</sup> total? 184

Reflection:

this time was way easier than last time because I know what to do and get the strategies now.

Reasoning & Analyzing:

Estimate 1 2 3

Understanding & Solving:

Example 1 1 2 3  
Example 2 1 2 3

Connecting & Reflecting:

Real-Life or Math Story or Problem 1 2 3  
Reflection 1 2 3