

## Use Mental Math to Solve Equations

Use data from the table and mental math to solve Problems 1–3.

Calories in Some Healthy Snacks				
Apple	Banana	Carrot	Celery (1 stalk)	Orange
80	105	30	5	60

### Show Your Work

1. Nahun wants to find which snack has six times as many calories as a stalk of celery. He thinks of the equation  $a \div 6 = 5$ . What snack answers Nahun's question?

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2. Beth cuts an apple into four equal pieces. She wonders how many calories are in one apple quarter. She thinks of the equation  $c \div 80 = 4$ . What is the solution to Beth's equation? Why is her equation incorrect?

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3. On Saturday, Alejandro eats three of the same snack. His snack calories for that day are 315. Use the equation  $3 \times d = 315$  to find out which snack Alejandro ate.

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4. Which of the following equations are you most likely to solve using mental math?

$$85 - w = 72 \qquad x \div 5 = 50$$

$$12 \cdot y = 96 \qquad z + 182 = 737$$

Explain how you made your choice.

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5. Explain how you can use mental math to answer this test question. Think about how you can eliminate incorrect answers.

Find the value of  $h$  in this equation:

$$15h = 105.$$

**A** 6

**C** 7

**B** 60

**D** 70