

PLAN EACH STEP BEFORE CALCULATING

- 1 Read the problem and name the first operation using signal words.
- 2 **Calculate** the first step and write the result.
- 3 Use that result for the second operation to finish.

WARM-UP

Draw blank bar models for each multi-step problem.

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1. Draw bar for 4 sandwiches at 3 euros each then split by 2
2. Draw bar for 8 cakes at 3 euros plus 6 drinks then split by 2
3. Draw bar for 10 sandwiches at 5 euros minus 15 then divide by 5

PRACTICE

- 1 You buy **9** sandwiches at **€9** each then split the total cost between **9** people.

$9 \times 9 \text{ then } \div 9 = ?$

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- 2 You buy **6** buns at **€2** each and pay with a **€20** note.

$6 \times 2 \text{ then } - \text{ from } 20 = ?$

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- 3 Buy **5** apples at **€4** each and share the cost with **5** friends.

$5 \times 4 \text{ then } \div 5 = ?$

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- 4 Buy **7** pies at **€4** each plus **€20** drinks and pay with **€100**.

$7 \times 4 + 20 \text{ then } - \text{ from } 100 = ?$

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? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

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| <p>a. You multiply before you subtract in a multi-step shopping problem. ☐</p> <p>b. A rough estimate helps check if your multi-step answer is sensible. ☐</p> | <p>c. A multi-step word problem needs exactly two calculations. ☐</p> <p>d. Adding the prices then dividing by 3 gives each person's share of a €12 pizza and a €6 drink. ☐</p> |
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REFLECT

How do you decide which operation a word problem is really asking for?