

# Write and solve a two-step equation for a word problem

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|------|------|------------|
| NAME | DATE | SCORE / 10 |
|------|------|------------|

- 1** A bike rental costs \$7 plus \$4 for each hour. Ana paid \$31 to rent a bike. For how many hours did Ana rent the bike?

- 2** A bike rental costs \$10 plus \$7 for each hour. Ivy paid \$24 to rent a bike. Let  $h$  be the number of hours. Which equation can be solved to find  $h$ ?

☐  $10h + 7 = 24$ 
☐  $7(h + 10) = 24$ 
☐  $7h + 10 = 24$ 
☐  $7h - 10 = 24$

- 3** A shop charges \$40 to rent a car, plus an amount for each day. What else do you need to know to find the cost for 4 days?

☐ The fee to rent the car  
 ☐ The cost for each day  
 ☐ How many cars the shop has  
☐ How many days it is rented for

- 4** A gym charges \$35 to join, plus \$30 each month. Ben has paid \$215 in all. How many months has Ben paid for?

- 5** A class rents a bus for a trip. The bus costs \$175 plus \$7 for each student, and the total cost is \$343. Let  $s$  be the number of students. Which equation can be solved to find  $s$ ?

☐  $7s - 175 = 343$ 
☐  $175s + 7 = 343$ 
☐  $7s + 175 = 343$ 
☐  $7(s + 175) = 343$

**6**

A shop charges \$30 to rent a car, plus \$4 for each day. What else do you need to know to find what Ana pays?

- ☐ The cost for each day   ☐ How many days it is rented for   ☐ How many cars the shop has  
☐ The fee to rent the car

**7**

A taxi charges \$4 plus \$2 for each kilometre. Ben's ride cost \$26. How many kilometres long was the ride?

**8**

At a bowling alley, shoes cost \$5 and each game costs \$4. Ana paid \$25 in all. Let  $g$  be the number of games. Which equation can be solved to find  $g$ ?

- ☐  $4(g + 5) = 25$    ☐  $4g - 5 = 25$    ☐  $5g + 4 = 25$    ☐  $4g + 5 = 25$

**9**

A class rents a bus for a trip. The bus costs \$125 plus \$9 for each student, and the total cost is \$314. How many students go on the trip?

**10**

A gym charges \$20 to join, plus \$15 each month. Ana has paid \$65 in all. How many months has Ana paid for?

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1 6

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3 The cost for each day

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5  $7s + 175 = 343$

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7 11

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9 21

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2  $7h + 10 = 24$

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4 6

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6 How many days it is rented for

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8  $4g + 5 = 25$

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10 3