

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

NAME	DATE	SCORE / 10
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- 1** A class rents a bus for a trip. The bus costs \$125 plus \$9 for each student, and the total cost is \$413. How many students go on the trip?

- 2** A gym charges \$30 to join, plus \$25 each month. Ana has paid \$155 in all. Let m be the number of months. Which equation can be solved to find m ?

☐ $25(m + 30) = 155$
☐ $25m - 30 = 155$
☐ $25m + 30 = 155$
☐ $30m + 25 = 155$

- 3** A shop charges \$30 to rent a boat, plus an amount for each hour. What else do you need to know to find the cost for 4 hours?

☐ How many hours it is rented for ☐ How many boats the shop has
☐ The fee to rent the boat ☐ The cost for each hour

- 4** A bike rental costs \$9 plus \$6 for each hour. Leo paid \$21 to rent a bike. For how many hours did Leo rent the bike?

- 5** A class rents a bus for a trip. The bus costs \$150 plus \$8 for each student, and the total cost is \$358. Let s be the number of students. Which equation can be solved to find s ?

☐ $8(s + 150) = 358$
☐ $8s + 150 = 358$
☐ $150s + 8 = 358$
☐ $8s - 150 = 358$

6 A shop charges \$55 to rent a car, plus \$18 for each day. What else do you need to know to find what Leo pays?

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

7 A gym charges \$25 to join, plus \$20 each month. Ana has paid \$185 in all. How many months has Ana paid for?

8 A bike rental costs \$9 plus \$5 for each hour. Ivy paid \$29 to rent a bike. Let h be the number of hours. Which equation can be solved to find h ?

- ☐ $5h - 9 = 29$
 ☐ $5h + 9 = 29$
 ☐ $5(h + 9) = 29$
 ☐ $9h + 5 = 29$

9 At a bowling alley, shoes cost \$4 and each game costs \$7. Ana paid \$39 in all. How many games did Ana play?

10 A bike rental costs \$10 plus \$4 for each hour. Ivy paid \$18 to rent a bike. For how many hours did Ivy rent the bike?

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1 32

3 The cost for each hour

5 $8s + 150 = 358$

7 8

9 5

2 $25m + 30 = 155$

4 2

6 How many days it is
rented for

8 $5h + 9 = 29$

10 2