

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

NAME	DATE	SCORE / 10
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- 1** At a bowling alley, shoes cost \$4 and each game costs \$4. Ana paid \$20 in all. How many games did Ana play?

- 2** At a bowling alley, shoes cost \$3 and each game costs \$6. Leo paid \$27 in all. Let g be the number of games. Which equation can be solved to find g ?

☐ $6g + 3 = 27$
☐ $6(g + 3) = 27$
☐ $3g + 6 = 27$
☐ $6g - 3 = 27$

- 3** A shop charges \$50 to rent a boat, plus \$8 for each hour. What else do you need to know to find what Dev pays?

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

- 4** At a bowling alley, shoes cost \$4 and each game costs \$6. Leo paid \$22 in all. How many games did Leo play?

- 5** A class rents a bus for a trip. The bus costs \$175 plus \$10 for each student, and the total cost is \$495. Let s be the number of students. Which equation can be solved to find s ?

☐ $10s + 175 = 495$
☐ $10s - 175 = 495$
☐ $10(s + 175) = 495$
☐ $175s + 10 = 495$

6 A shop charges a fee to rent a boat, plus \$16 for each hour. What else do you need to know to find the cost for 5 hours?

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

7 A class rents a bus for a trip. The bus costs \$175 plus \$7 for each student, and the total cost is \$364. How many students go on the trip?

8 A bike rental costs \$6 plus \$8 for each hour. Leo paid \$22 to rent a bike. Let h be the number of hours. Which equation can be solved to find h ?

- ☐ $8h + 6 = 22$ ☐ $6h + 8 = 22$ ☐ $8(h + 6) = 22$ ☐ $8h - 6 = 22$

9 A bike rental costs \$5 plus \$4 for each hour. Leo paid \$33 to rent a bike. For how many hours did Leo rent the bike?

10 At a bowling alley, shoes cost \$3 and each game costs \$5. Ivy paid \$28 in all. How many games did Ivy play?

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1 4

3 How many hours it is rented for

5 $10s + 175 = 495$

7 27

9 7

2 $6g + 3 = 27$

4 3

6 The fee to rent the boat

8 $8h + 6 = 22$

10 5