

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

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

- 1** A taxi charges \$3 plus \$3 for each kilometre. Ben's ride cost \$21. How many kilometres long was the ride?

- 2** A gym charges \$20 to join, plus \$25 each month. Ivy has paid \$95 in all. Let m be the number of months. Which equation can be solved to find m ?

☐ $25m + 20 = 95$
☐ $25(m + 20) = 95$
☐ $20m + 25 = 95$
☐ $25m - 20 = 95$

- 3** A shop charges a fee to rent a car, plus \$10 for each day. What else do you need to know to find the cost for 2 days?

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

- 4** At a bowling alley, shoes cost \$5 and each game costs \$5. Ana paid \$20 in all. How many games did Ana play?

- 5** A bike rental costs \$9 plus \$8 for each hour. Ana paid \$41 to rent a bike. Let h be the number of hours. Which equation can be solved to find h ?

☐ $8(h + 9) = 41$
☐ $9h + 8 = 41$
☐ $8h + 9 = 41$
☐ $8h - 9 = 41$

6 A shop charges a fee to rent a bike, plus \$6 for each hour. What else do you need to know to find the cost for 3 hours?

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

7 A class rents a bus for a trip. The bus costs \$175 plus \$6 for each student, and the total cost is \$367. How many students go on the trip?

8 A class rents a bus for a trip. The bus costs \$175 plus \$8 for each student, and the total cost is \$327. Let s be the number of students. Which equation can be solved to find s ?

- ☐ $8s - 175 = 327$ ☐ $8s + 175 = 327$ ☐ $8(s + 175) = 327$ ☐ $175s + 8 = 327$

9 A bike rental costs \$6 plus \$4 for each hour. Ana paid \$22 to rent a bike. For how many hours did Ana rent the bike?

10 At a bowling alley, shoes cost \$5 and each game costs \$6. Leo paid \$17 in all. How many games did Leo play?

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

1 6

3 The fee to rent the car

5 $8h + 9 = 41$

7 32

9 4

2 $25m + 20 = 95$

4 3

6 The fee to rent the bike

8 $8s + 175 = 327$

10 2