

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 \$150 plus \$10 for each student, and the total cost is \$310. How many students go on the trip?

- 2** A taxi charges \$4 plus \$2 for each kilometre. Ivy's ride cost \$30. Let d be the number of kilometres. Which equation can be solved to find d ?

☐ $2d + 4 = 30$
 ☐ $4d + 2 = 30$
 ☐ $2(d + 4) = 30$
 ☐ $2d - 4 = 30$

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

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

- 4** At a bowling alley, shoes cost \$5 and each game costs \$5. Ivy paid \$25 in all. How many games did Ivy play?

- 5** A class rents a bus for a trip. The bus costs \$125 plus \$6 for each student, and the total cost is \$221. Let s be the number of students. Which equation can be solved to find s ?

☐ $6(s + 125) = 221$
 ☐ $6s + 125 = 221$
 ☐ $6s - 125 = 221$
 ☐ $125s + 6 = 221$

6 A shop charges \$25 to rent a boat, plus an amount for each hour. What else do you need to know to find the cost for 6 hours?

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

7 A gym charges \$20 to join, plus \$30 each month. Ivy has paid \$320 in all. How many months has Ivy paid for?

8 At a bowling alley, shoes cost \$3 and each game costs \$5. Ivy paid \$13 in all. Let g be the number of games. Which equation can be solved to find g ?

- ☐ $5(g + 3) = 13$ ☐ $5g + 3 = 13$ ☐ $3g + 5 = 13$ ☐ $5g - 3 = 13$

9 At a bowling alley, shoes cost \$5 and each game costs \$4. Ana paid \$17 in all. How many games did Ana play?

10 A taxi charges \$4 plus \$3 for each kilometre. Ivy's ride cost \$25. How many kilometres long was the ride?

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1 16

3 How many hours it is rented for

5 $6s + 125 = 221$

7 10

9 3

2 $2d + 4 = 30$

4 4

6 The cost for each hour

8 $5g + 3 = 13$

10 7