

Name : \_\_\_\_\_

## Distributive Property Word Problems Worksheet

Use the distributive property to solve each problem.

- 1 Rita loves to read storybooks. She reads 74 pages every day. How many pages will she read in 7 days, in total?
- 2 A pack of 15 sweets costs \$2 and a pack of 15 chocolates costs \$4. Write an expression to find the cost of buying 3 packs of sweets and 3 packs of chocolates. Use the distributive property to find the total cost.
- 3 The soccer league is holding 10 camps this summer. There will be 20 players in each camp. How many players, in total can attend the soccer camps this summer?
- 4 A full year club membership costs \$325 with no extra cost. A monthly membership costs \$100 and \$30 as service tax. Which membership is cheaper and by how much?

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### Answers

- 1 Rita loves to read storybooks. She reads 74 pages every day. How many pages will she read in 7 days, in total?

Ans: 518

- 2 A pack of 15 sweets costs \$2 and a pack of 15 chocolates costs \$4. Write an expression to find the cost of buying 3 packs of sweets and 3 packs of chocolates. Use the distributive property to find the total cost.

Ans:  $(3 \times 2) + (3 \times 4)$   
= \$18

- 3 The soccer league is holding 10 camps this summer. There will be 20 players in each camp. How many players, in total can attend the soccer camps this summer?

Ans: 200

- 4 A full year club membership costs \$325 with no extra cost. A monthly membership costs \$100 and \$30 as service tax. Which membership is cheaper and by how much?

Ans: Full year membership is cheaper, \$1,235