MY Homework

Homework Helper

eHelp

Need help? **connectED.mcgraw-hill.com**

At a petting zoo, 29 students each paid $2 to pet the animals. Use mental math and the Distributive Property to find how much money was paid altogether.

1 Write 29 as 20 + 9. $\longrightarrow$ $2 \times 29 = 2 \times (20 + 9)$

2 Apply the Distributive Property. $\longrightarrow$ $= (2 \times 20) + (2 \times 9)$

3 Multiply. $\longrightarrow$ $= 40 + 18$
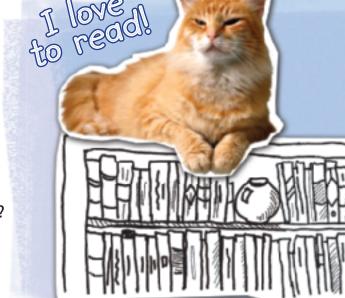
4 Add. $\longrightarrow$ $= 58$

So, the students spent $58 at the petting zoo.

Practice

Find each product mentally using the Distributive Property. Show the steps that you used.

1. $4 \times 48 =$ _____

2. $3 \times 67 =$ _____

3. $6 \times 18 =$ _____

4. $8 \times 74 =$ _____

Problem Solving

5. A bookshelf in Deirdre's living room has 4 shelves. There are 12 books on each shelf. How many books are on the bookshelf altogether?

_____

6. Jorge is collecting baseball cards. He has 29 stacks of 4 cards. How many cards does he have altogether?

_____

7. **Mathematical** **PRACTICE** ❸ **Justify Conclusions** The Distributive Property also combines subtraction and multiplication. For example, $3 \times (5 - 2) = (3 \times 5) - (3 \times 2)$. Explain how you could use the Distributive Property and mental math to find 5×198.

_____

_____

_____

Vocabulary Check

Fill in each blank with the correct term or number to complete the sentence.

8. The Distributive Property combines _____ and

_____ to make multiplying whole numbers simpler.

Test Practice

9. Susana collected 5 cents at the recycling plant for each of her 78 cans. How much money did she collect altogether?

Ⓐ $0.39

Ⓒ $3.90

Ⓑ $3.50

Ⓓ $39.00

Need more practice? Download Extra Practice at **connectED.mcgraw-hill.com**