



Mixed practice word problems

Grade 5 Math Word Problems Worksheet

1. There are 12 people in Mrs. Hilt's living room. 6 people are wearing socks and 4 people are wearing shoes. 3 people are wearing both. How many people are in bare feet?
2. Mrs. Hilt read 21 books. Each book had exactly 2,010 words in it. She sold five of her books for \$4.95 each. How many words did Mrs. Hilt read?
3. Mrs. Hilt has a pizza that is 35 inches in diameter. What is the radius of that pizza?





4. Mrs. Hilt has 6 pizzas. Each pizza has 6 slices. She sold one-fourth ($\frac{1}{4}$) of the pizza slices. How many slices were left?
5. Mrs. Hilt's yard is 48 feet long and 39 feet wide. What's the area of Mrs. Hilt's back yard?



Answers

1. 3 people wear socks and shoes.
So, $6 - 3 = 3$ people wearing just socks.
 $4 - 3 = 1$ person wearing just shoes.
 3 (just socks) + 3 (both) + 1 (just shoes) = 7 people in socks or shoes.
 $12 - 7 = 5$ people in bare feet.
 5 people are in bare feet.
2. The price is extra information.
 $21 \times 2,010 = 42,210$
She read $42,210$ words.
3. The radius is half the diameter.
 $35 \div 2 = 17.5$
The radius is 17.5 inches.
4. $6 \times 6 = 36$ slices
She sold $36 \times 1 \div 4 = 9$ slices
She has $36 - 9 = 27$
 27 slices were left.
5. Area = length $\times$ width
 $48 \times 39 = 1,872$
Her backyard is $1,872$ square feet.