

MY Homework

Lesson 3

Problem Solving: Estimate or Exact Answer

Homework Helper



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Each school raffle ticket costs \$8.50. The Jordan family purchased 3 tickets. About how much did it cost the Jordan family to buy the raffle tickets?

1 Understand

What facts do you know?

Each ticket costs \$8.50. The Jordan family purchased 3 tickets.

What do you need to find?

about how much it will cost for all 3 tickets

2 Plan

You can estimate to find the total cost.

3 Solve

Round \$8.50 to the nearest whole dollar.

$$\$8.50 \longrightarrow \$9$$

Next, add to find the estimated total cost.

$$\$9 + \$9 + \$9 = \$27$$

So, the Jordan family spent about \$27 to purchase the raffle tickets.

4 Check

Is my answer reasonable? Explain.

Estimate another way.

$$\$10 + \$10 + \$10 = \$30$$

$$\$30 \approx \$27$$

Problem Solving

Determine whether you need an estimate or an exact answer to solve each problem. Then solve.

1. A library wants to buy a new computer that costs \$989.99. So far, the library has collected \$311.25 in donations. About how much more money does the library need to buy the computer?

2. On Friday, a museum had 185 visitors. On Saturday, there were twice as many visitors as Friday. On Sunday, 50 fewer people visited than Saturday. How many people visited the museum during these three days?

3. Tomás orders a meal that costs \$7.89. Lisa's meal costs \$9.05. About how much is the combined cost of their meals?

4. **Mathematical PRACTICE 1** **Make Sense of Problems** The ski team has a race in 3 hours and it is 120 miles away. The team drives 50 miles each hour. Will they arrive at the race on time?

5. At the beginning of last year, there were 368 students at the elementary school. By the beginning of this year, 72 of those students had moved. About how many students started the school year this year?

My Work!

No hill?

No thrill!



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