

MY Homework**Lesson 3****Problem Solving:
Estimate or Exact
Answer****Homework Helper**Need help? connectED.mcgraw-hill.com

What is the difference in the total number of ribbons the girls earned?

Swim Team Ribbons		
Swimmer	Last Year	This Year
Mackenzie	26	31
Zoe	19	33

1 Understand**What facts do you know?**

The number of ribbons each girl earned each year.

What do you need to find?

The difference in the total number of ribbons between the girls.

2 Plan

An exact answer is needed. I will add to find the total. Then I will subtract to find the difference.

3 Solve

<u>Mackenzie</u>	<u>Zoe</u>
26	19
+ 31	+ 33
57	52

$$57 - 52 = 5$$

The difference between the total number of ribbons for each girl is 5.

4 Check**Does your answer make sense? Explain.**

Yes; Use the inverse operation of addition.

$5 + 52 = 57$ shows the answer is correct.



Problem Solving

Determine whether each problem requires an estimate or an exact answer. Then solve.

1. Gavin saved \$53 in August and \$15 in September. Is it reasonable to say he needs \$50 more to pay for a karate class that costs \$100? Explain.

No; his estimated savings is

$$\underline{\$50 + 20 = \$70; \$100 - \$70 = \$30.}$$

\$30 is not close to \$50.

2. There were 4,569 fans at a soccer game. The visiting team had 1,604 fans cheering. About how many fans cheered for the home team? Explain.

Estimate; Sample answer:

$$\underline{4,600 - 1,600 = 3,000 \text{ fans}}$$

3. **Mathematical PRACTICE 1** **Make Sense of Problems**

Luke buys 2 small pumpkins and 1 large pumpkin. How much does Luke spend?

Pumpkin Sale	
Small Pumpkins	\$4
Large Pumpkins	\$7



Exact answer: $\$4 + \$4 + \$7 = \15

4. Peyton learned that the brown bear at a local zoo weighs 1,578 pounds. About how much more does the brown bear weigh than the polar bear? Explain.

Estimate; Sample answer:

$$\underline{1,600 - 1,300 = 300; \text{The brown bear}}$$

weighs about 300 more pounds.

My Work!

