MY Homework

Lesson 5

Estimate Sums

Homework Helper

eHelp

Need help? connectED.mcgraw-hill.com

The parking lot in front of the school has 153 parking spaces. The parking lot behind the school has 138 spaces. About how many parking spaces are there in all?
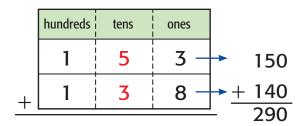
Estimate 153 + 138.

Round, and then add.

One Way Hundreds Place

hundreds	tens	ones
1	5	3
1	3	8

→ 200
→ + 100
300

To the nearest hundred, the parking lot has about 300 parking spaces.

Another Way Tens Place

hundreds	tens	ones
1	**5**	3
1	**3**	8

→ 150
→ + 140
290

To the nearest ten, the parking lot has about 290 parking spaces.

Both estimates are reasonable.

Practice

Estimate. Round each addend to the indicated place value.

1. 34 + 65; tens

30 + **70** = **100**

2. 583 + 321; hundreds

600 + **300** = **900**

3. 591 + 234; hundreds

600 + **200** = **800**

4. $3,327 + $1,548; tens

$3,330 + **$1,550** = **$4,880**

5. 2,613 + 3,177; tens

2,610 + **3,180** = **5,790**

6. $251 + $207; hundreds

$300 + **$200** = **$500**

7. Estimate. Round each addend to the nearest ten and nearest hundred.

	Nearest Ten	Nearest Hundred
363 + 132	**360** **+ 130** **490**	**400** **+ 100** **500**

Problem Solving

8. Three large pizzas cost $36. Two medium pizzas cost $25. To the nearest ten, about how much do all 5 pizzas cost?

$40 + $30 = $70

9. **Mathematical PRACTICE** **2** **Use Number Sense** Four hundred ninety-one people attended the school play and 422 people attended the band concert. About how many people attended these two events altogether? Round to the nearest hundred.

500 + 400 = 900 people

Vocabulary Check

10. Use each word below to explain how you solved Exercise 9.

round   estimate

Sample answer: I rounded 491 to 500 and 422 to 400.

Then I added the two estimates to get the estimated sum.

Test Practice

11. Which of the following is the estimated sum of 380 and 437 to the nearest hundred?

Ⓐ 700   Ⓒ 817

🅑 800   Ⓓ 820