Name _____ Date _____

Addition and Subtraction Quiz

• = Bit (one) | / = Skinny (ten) | □ = Flat (hundred) | ▯ = Pack (thousand)

1. A. Roberto showed 418 using base-ten shorthand. Write a number sentence to match.

B. Show the number 4328 using base-ten shorthand and the Fewest Pieces Rule. Write a number sentence to match your answer.

C. Use base-ten shorthand to show 4328 another way. Write a number sentence to match your answer.

2. Jackie estimated that 2598 + 621 is less than 3000. Do you agree with Jackie? Why or why not?

3. Solve 2598 + 621 using any method you choose. Use your answer in Question 2 to help you choose your strategy.

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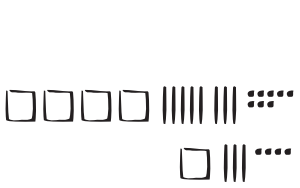
4. A. Jesse used base-ten pieces to solve 488 + 134. Finish Jesse's work.



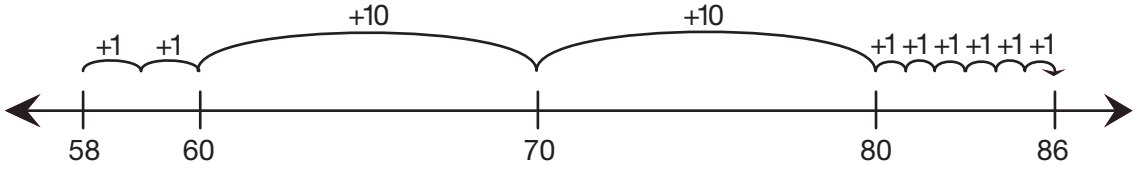
	4	8	8
+	1	3	4

B. Solve 488 + 134 using a different method or strategy.

C. Circle the method or strategy you liked best.

5. Ming used a Base-Ten Hopper to solve:

$$\begin{array}{r} 86 \\ -\,58 \\ \hline \end{array}$$



2 + 20 + 6 = 28

Show another way to solve the problem using a Base-Ten Hopper.

Name _____ Date _____

6. Solve the following.

A. 252
− 89

B. 6520
− 2897

C. 4004
− 3966

D. Use an estimation strategy to check whether your answer to Question 5A is reasonable.

E. Show how to use a mental math strategy to solve one of the problems above.

7. On Monday morning a hardware store had 2675 flower seed packets in stock. By Friday, there were less than 1900 left.

About how many packets were sold from Monday to Friday? Show or tell how you decided.

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8. Jackie wants to choose a store that gives her the lowest cost for one badminton set and two soccer balls. She calls two stores for prices and writes the information in a table.

	Sporty Morty's	Athletes Warehouse
Soccer ball	$39.00 each	$21.99 each
Badminton set	$14.95 each	$17.49 each

Which store should she choose? Show or tell how Jackie can find an estimate to decide.

Addition and Subtraction Quiz Feedback Box	Yes . . .	Yes, but . . .	No, but . . .	No . . .
MPE1. **Know the problem.** I read the problem carefully. I know the questions to answer and what information is important. [Q# 7–8]				
MPE5. **Show my work.** I show or tell how I arrived at my answer so someone else can understand my thinking. [Q# 7–8]				

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Addition and Subtraction Quiz Feedback Box	Expectation	Check In	Comments
Show partitions of numbers using base-ten pieces. [Q# 1]	E1		
Represent and solve addition problems using base-ten pieces. [Q# 4]	E2		
Solve subtraction problems with number lines. [Q# 5]	E3		
Solve addition and subtraction problems using mental math strategies. [Q# 6]	E4		
Add multidigit numbers using paper-and-pencil methods. [Q# 2–3]	E6		
Subtract multidigit numbers using paper-and-pencil methods. [Q# 6]	E7		
Choose from mental math, estimation, calculators, and paper-and-pencil methods to add whole numbers. [Q# 2–4, 8]	E9		
Choose from mental math, estimation, calculators, and paper-and-pencil methods to subtract whole numbers. [Q# 6–7]	E9		
Estimate sums and differences. [Q# 6–8]	E11		