

3. Solve the following problems using the partial quotients method.

A. $5 \overline{)219}$

B. $3 \overline{)973}$

4. Show how you know your answer to Question 3B is correct by using multiplication.

5. Write a multiplication sentence for your answer to Question 3B. Include the divisor, the quotient, and the remainder.

6. A. Martin solved $729 \div 7$ using the column method, which he called the “fair shares” method. Show how his solution would look if he had used the partial quotients method. Use the same estimates that Martin used.

Martin’s work

4	4	4	4	4	4	4
10	10	10	10	10	10	10
50	50	50	50	50	50	50
20	20	20	20	20	20	20
20	20	20	20	20	20	20
1	2	3	4	5	6	7

$20 + 20 + 50 + 10 + 4 = 104 \text{ R}1$

Into the Columns	Left to Divide
$7 \times 4 = 28$	$29 - 28 = 1$
$7 \times 10 = 70$	$99 - 70 = 29$
$7 \times 50 = 350$	$449 - 350 = 99$
$7 \times 20 = 140$	$589 - 140 = 449$
$7 \times 20 = 140$	$729 - 140 = 589$

Partial Quotients Method

$$\begin{array}{r}
 7 \overline{)729} \quad 20 \\
 \underline{140} \\
 589 \quad \boxed{} \\
 - 140 \\
 \boxed{} \quad \boxed{} \\
 - 350 \\
 \boxed{} \quad 10 \\
 \underline{-70} \\
 29 \quad \boxed{} \\
 \boxed{} \quad \underline{} \\
 1 \quad \underline{}
 \end{array}$$

- B. Show how Martin could have solved the problem using fewer steps. Hint: think about the division facts.

Name _____ Date _____

Paper-and-Pencil Division Quiz
Feedback Box

	Expecta- tion	Check In	Comments
Divide multidigit numbers by 1-digit divisors using paper and pencil. [Q# 1–6]	E7		
• Check work using multiplication.			
• Check for reasonableness using mental math or estimation. [Q# 4]			
Interpret remainders from division of multidigit numbers. [Q# 2]	E4		
Show connections between multiplication and division (e.g., fact families, using multiplication to divide). [Q# 5]	E3		
Show connections between models and strategies for multidigit division. [Q# 6]	E2		

Yes ...

Yes, but ...

No, but ...

No ...

	Yes ...	Yes, but ...	No, but ...	No ...
MPE3. Check for reasonableness. I look back at my solution to see if my answer makes sense. If it does not, I try again. [Q# 2]				
MPE4. Check my calculations. If I make mistakes, I correct them. [Q# 2]				
MPE5. Show my work. I show or tell how I arrived at my answer so someone else can understand my thinking. [Q# 2]				