Name _____ Date _____

Paper-and-Pencil Division Quiz

Answer the questions using any method you choose, except calculators. Show your work and how you know your answer is reasonable. Use the *Multiplication and Division Facts* page in the *Student Guide* Reference section.

1. A flower mart has 5040 flowers in 7 refrigerator cases. If each case contains the same number of flowers, about how many flowers are in each case?

2. A. The fifth grade class is preparing math station tables for Family Math Night in the school gym. Each math station table will seat 15 people. How many math stations do the fifth graders need to prepare for 186 people?

B. Show or tell how you know your answer is reasonable.

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

A. $15\overline{)3109}$

B. $3\overline{)1972}$

4. Use multiplication to show how you know your answer to Question 3A is reasonable.

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

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6. A. Frank solved 7209 divided by 11 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 Frank used.

Frank's work

5	5	5	5	5	5	5	5	5	5	5
50	50	50	50	50	50	50	50	50	50	50
300	300	300	300	300	300	300	300	300	300	300
200	200	200	200	200	200	200	200	200	200	200
100	100	100	100	100	100	100	100	100	100	100
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**

100 + 200 + 300 + 50 + 5 = 655 R4

Into Columns	Left to Divide
11 × 100 = 1100	7209 − 1100 = 6109
11 × 200 = 2200	6109 − 2200 = 3909
11 × 300 = 3300	3909 − 3300 = 609
11 × 50 = 550	609 − 550 = 449
11 × 5 = 55	59 − 55 = 4

Partial Quotients Method

```
          ☐
11 ) 7209        100
     1100
     6109        ☐
   − 2200
     ☐           ☐
   − 3300
     ☐           50
   − 550
      59         ☐
     ☐
     ——          ——
       4         ☐
```

B. Show how Frank could have solved the problem using fewer steps. Hint: Think about the division facts.

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Paper-and-Pencil Division Quiz Feedback Box	Expec-tation	Check In	Comments
Divide multidigit numbers by one- and two-digit divisors using paper and pencil. [Q# 1–6] • Check work using multiplication. • Check for reasonableness using mental math or estimation. [Q# 4]	E7		
Interpret remainders from division of multidigit numbers. [Q# 2]	E3		
Divide numbers that are multiples of ten. [Q# 1]	E6		
Show connections between models and strategies for multidigit division. [Q# 6]	E2		

	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]				