

Student Activity Book

Dividing Into Columns

Questions 1–5 (SAB pp. 505–506)

1.  $89 \div 4 = 22 \text{ R}1$ . Possible solution:

2	2	2	2	Into the Columns	Left to Divide
20	20	20	20	8	$9 - 8 = 1$
1	2	3	4	80	$89 - 80 = 9$

2.  $255 \div 8 = 31 \text{ R}7$ . Possible solution

1	1	1	1	1	1	1	1	1	1	Into the Columns	Left to Divide
10	10	10	10	10	10	10	10	10	10	8	$15 - 8 = 7$
10	10	10	10	10	10	10	10	10	10	80	$95 - 80 = 15$
10	10	10	10	10	10	10	10	10	10	80	$175 - 80 = 95$
1	2	3	4	5	6	7	8	9		80	$255 - 80 = 175$

3.  $217 \div 6 = 36 \text{ R}1$ . Possible solution:

6	6	6	6	6	6	Into the Columns	Left to Divide
10	10	10	10	10	10	36	$37 - 36 = 1$
20	20	20	20	20	20	60	$97 - 60 = 37$
1	2	3	4	5	6	120	$217 - 120 = 97$

4.  $582 \div 5 = 116 \text{ R}2$ . Possible solution:

6	6	6	6	6	Into the Columns	Left to Divide
10	10	10	10	10	30	$32 - 30 = 2$
100	100	100	100	100	50	$82 - 50 = 32$
1	2	3	4	5	500	$582 - 500 = 82$

5.  $463 \div 3 = 154 \text{ R}1$ . Possible solution:

4	4	4	Into the Columns	Left to Divide
50	50	50	12	$13 - 12 = 1$
100	100	100	150	$163 - 150 = 13$
1	2	3	300	$463 - 300 = 163$

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### Dividing Into Columns

Solve the following division problems using the column method.

Example:  $439 \div 6 = 73 \text{ R}1$

3	3	3	3	3	3	Into the Columns	Left to Divide
20	20	20	20	20	20	18	$19 - 18 = 1$
50	50	50	50	50	50	120	$139 - 120 = 19$
1	2	3	4	5	6	300	$439 - 300 = 139$

1.  $89 \div 4 =$  \_\_\_\_\_

						Into the Columns	Left to Divide
1	2	3	4				

2.  $255 \div 8 =$  \_\_\_\_\_

										Into the Columns	Left to Divide
1	2	3	4	5	6	7	8				

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3.  $217 \div 6 =$  \_\_\_\_\_

						Into the Columns	Left to Divide
1	2	3	4	5	6		

Draw a column model to help you solve the following problems.

4.  $582 \div 5 =$  \_\_\_\_\_

5.  $463 \div 3 =$  \_\_\_\_\_

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\*Answers and/or discussion are included in the lesson.

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### How Far Down the Hall?

Use the rectangle model to help Professor Peabody figure out how far down the hallway he can paint each hall. He knows the area the paint will cover and the width of each hall. Write each problem as a division problem.

1.  $242 \text{ sq. ft.} \div 5 \text{ feet} =$  \_\_\_\_\_ 2. \_\_\_\_\_  $\div$  \_\_\_\_\_ = \_\_\_\_\_

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### Student Activity Book

#### How Far Down the Hall?

#### Questions 1–5 (SAB pp. 507–508)

1.  $242 \text{ sq. ft.} \div 5 \text{ feet} = 48 \text{ feet R2 sq. ft.}$

Possible solution:

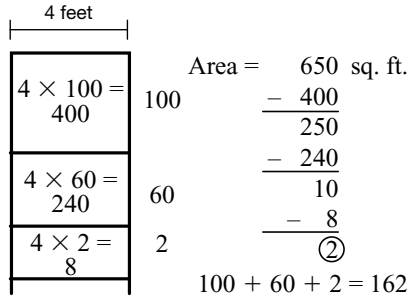
5 feet	Area = 242 sq. ft.	
$5 \times 40 = 200$	40	$\begin{array}{r} -200 \\ 42 \\ -40 \\ \hline 2 \end{array}$
$5 \times 8 = 40$	8	$40 + 8 = 48$
		<b>Answer: 48 feet R2 sq. ft.</b>

2.  $708 \div 8 = 88 \text{ feet R4 sq. ft.}$

Possible solution:

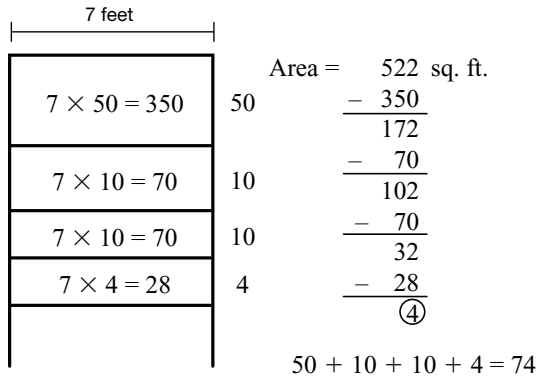
8 feet	Area = 708 sq. ft.	
$8 \times 50 = 400$	50	$\begin{array}{r} -400 \\ 308 \\ -240 \\ 68 \\ -64 \\ \hline 4 \end{array}$
$8 \times 30 = 240$	30	$50 + 30 + 8 = 88$
$8 \times 8 = 64$	8	<b>Answer: 88 feet R4 sq. ft.</b>

3.  $650 \div 4 = 162$  feet R2 sq. ft.  
Possible solution:



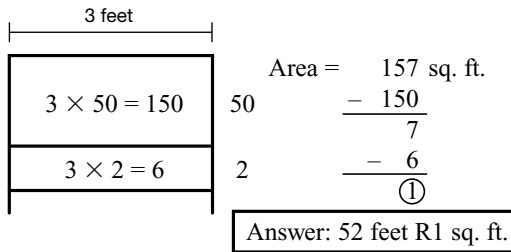
Answer: 162 feet R2 sq. ft.

4.  $522 \div 7 = 74$  feet R4 sq. ft.  
Possible solution:



Answer: 74 feet R4 sq. ft.

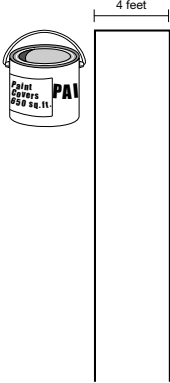
5.  $157 \div 3 = 52$  feet R1 sq. ft.  
Possible solution:

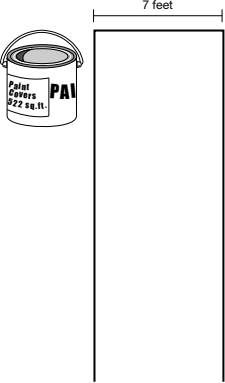


Answer: 52 feet R1 sq. ft.

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3. \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_      4. \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_





5. Use the rectangle model to solve  $157 \div 3$ .

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