

Additional Practice 5-9

Choose a Strategy to Divide

Another Look!



You can use different strategies to divide.

Find $617 \div 5$.

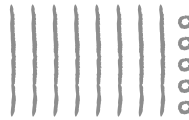
You can use partial quotients.

$$\begin{array}{r} 3 \\ 20 \\ 100 \\ \hline 5 \overline{)617} \\ - 500 \\ \hline 117 \\ - 100 \\ \hline 17 \\ - 15 \\ \hline 2 \end{array} \left. \vphantom{\begin{array}{r} 3 \\ 20 \\ 100 \\ \hline 5 \overline{)617} \\ - 500 \\ \hline 117 \\ - 100 \\ \hline 17 \\ - 15 \\ \hline 2 \end{array}} \right\} 123$$

$617 \div 5 = 123 \text{ R}2$

Find $85 \div 3$.

You can use place-value blocks or drawings.

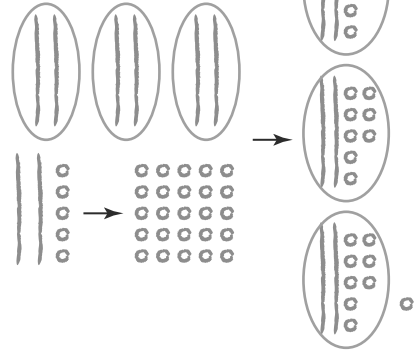


$$\begin{array}{r} 28 \\ 3 \overline{)85} \\ - 60 \\ \hline 25 \\ - 24 \\ \hline 1 \end{array}$$

$85 \div 3 = 28 \text{ R}1$

Think: 8 tens divided into 3 equal groups. Trade the extra 2 tens for 20 ones. The 2 tens and 5 ones make 25 ones.

There are 8 ones in each group and 1 one left over.



For 1-9, divide.

1. $318 \div 7$

2. $4,826 \div 5$

3. $375 \div 7$

4. $8 \overline{)437}$

5. $9 \overline{)7,192}$

6. $6 \overline{)2,750}$

7. $4 \overline{)6,208}$

8. $7 \overline{)202}$

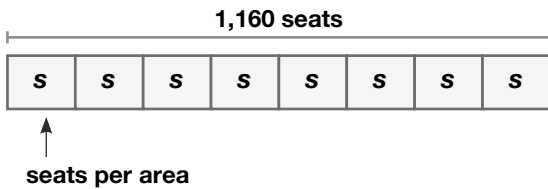
9. $5 \overline{)9,490}$



10. enVision® STEM Sound travels in waves. In dry air at 20° Celsius, sound travels about 343 meters in one second. How many meters will sound travel in 7 seconds?

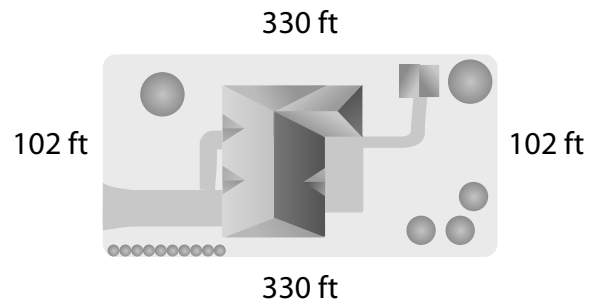
11. Construct Arguments Lilly estimated a quotient of 120 and found an actual quotient of 83. What should she do next? Explain.

12. At the airport, there are a total of 1,160 seats in the waiting areas. There are 8 separate, same-size, waiting areas. How many seats are in each waiting area?



13. A fence around the school football field is 1,666 feet long. Seven teams of students will paint the fence. Each team will paint an equal length of the fence. What length of the fence will each team paint?

14. Higher Order Thinking Mr. Conners put a fence around the outside of his rectangular yard shown at the right. Each section of fence was 8 feet long. How many sections did he use?



Assessment Practice

15. Select all correct equations. 4.NBT.2.6

- $648 \div 9 = 72$
- $3,616 \div 4 = 904$
- $745 \div 3 = 245 \text{ R}1$
- $1,279 \div 5 = 252 \text{ R}4$
- $7,474 \div 8 = 934 \text{ R}2$

16. Find $2,075 \div 7$. 4.NBT.2.6

- (A) 295
- (B) 296 R1
- (C) 296 R3
- (D) 304 R5