

1.25

Division: Two Digits Divided by One Digit

• Example 1

Divide:

$$6 \overline{)78}$$

We begin by dividing the ten's in 78 by 6 and subtracting.

$$\begin{array}{r} 1 \\ 6 \overline{)78} \\ \underline{6} \\ 1 \end{array}$$

To check: $6 \cdot 1 + 1 = 7$

Next, we bring down the one's in 78

$$\begin{array}{r} 1 \\ 6 \overline{)78} \\ \underline{6} \\ 18 \end{array}$$

then divide 18 by 6 which is 3.

$$\begin{array}{r} 13 \\ 6 \overline{)78} \\ \underline{6} \\ 18 \\ \underline{18} \\ 0 \end{array}$$

The remainder is zero.

To check: $3 \cdot 6 + 0 = 18$

• • • CHECK YOURSELF 1

Divide:

$$5 \overline{)85}$$

• • • CHECK YOURSELF ANSWER

1. 17.

1.25 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

Divide using long division, and check your work.

1. $5\overline{)85}$

2. $9\overline{)72}$

3. $6\overline{)72}$

4. $4\overline{)84}$

5. $5\overline{)70}$

6. $3\overline{)87}$

7. $4\overline{)92}$

8. $3\overline{)42}$

9. $56 \div 8$

10. $9\overline{)54}$

11. $6\overline{)54}$

12. $81 \div 9$

Solve the following applications.

13. Recreation. Joaquin is putting pictures in an album. He can fit 8 pictures on each page. If he has 72 pictures, pages will he fill?

14. Counting. Kathy is separating a deck of 42 cards into 6 equal piles. How many piles will she have?