

1.23

Simple 2-Digit Division

• Example 1

$$32 \div 8 = 4 \quad \text{because} \quad 32 = 8 \times 4.$$

$$42 \div 6 = 7 \quad \text{because} \quad 42 = 6 \times 7.$$

$$\begin{array}{r} 8 \\ 7 \overline{)56} \end{array} \quad \text{because} \quad 56 = 7 \times 8.$$

• • • CHECK YOURSELF 1

Rewrite the statement $36 \div 4 = 9$ as a multiplication statement.

• Example 2

For a division problem to check, the *product* of the divisor and the quotient *must equal the dividend*.

$$(a) \begin{array}{r} 3 \\ 7 \overline{)21} \end{array} \quad \text{Check: } 7 \times 3 = 21$$

$$(b) 48 \div 6 = 8 \quad \text{Check: } 6 \times 8 = 48$$

• • • CHECK YOURSELF 2

Complete the division statements, and check your results.

a. $9 \overline{)45}$

b. $28 \div 7 =$

• • • CHECK YOURSELF ANSWERS

1. $4 \times 9 = 36$. 2. (a) 5; (b) 4.

1.23 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____
2. _____
3. _____
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18. _____

Do the indicated division, and check your results.

1. $35 \div 7$

2. $6\overline{)36}$

3. $5\overline{)40}$

4. $54 \div 9$

5. $21 \div 3$

6. $6\overline{)42}$

7. $7\overline{)63}$

8. $4\overline{)32}$

9. $56 \div 8$

10. $63 \div 9$

11. $7\overline{)56}$

12. $49 \div 7$

13. $45 \div 9$

14. $8\overline{)48}$

15. $4\overline{)28}$

16. $72 \div 8$

17. $7\overline{)21}$

18. $54 \div 6$