ALBERT

Name _____ Date _____

Long Division Worksheet

Grade 6 · Common Core 6.NS.B.2

> Fluently divide multi-digit numbers using the standard algorithm.

Practice

Builds the skill step by step.

1. Divide: 864 ÷ 4

2. Divide: 945 ÷ 7

3. Divide: 1,248 ÷ 6

4. What is 2,436 ÷ 3?

   A. 812

   B. 821

   C. 182

   D. 8,012

5. Divide: 576 ÷ 12

6. Divide: 3,150 ÷ 5

7. Divide: 789 ÷ 8. Write the answer with a remainder.

8. What is the first digit of the quotient for 4,725 ÷ 9, and what place is it in?

   A. 5, in the hundreds place

   B. 4, in the thousands place

   C. 5, in the tens place

   D. 9, in the hundreds place

9. Divide: 1,035 ÷ 15

10. A school orders 672 pencils packed in boxes of 8. How many boxes are there?

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On Level

Grade-level practice.

1. Divide: 9,612 ÷ 36

2. Divide: 7,644 ÷ 21

3. Divide: 12,350 ÷ 25

4. Which division has a quotient of 47?

   A. 2,021 ÷ 47

   B. 2,021 ÷ 43

   C. 1,880 ÷ 47

   D. 4,700 ÷ 47

5. Divide: 5,183 ÷ 71

6. Divide: 8,450 ÷ 32. Write the answer with a remainder.

7. A theater has 1,428 seats in rows of 28. How many rows are there?

8. Divide: 23,808 ÷ 48

9. A student says 4,560 ÷ 15 = 34. Which is the correct quotient?

   A. 304

   B. 340

   C. 3,040

   D. 34

10. Divide: 15,552 ÷ 54

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Challenge

Multi-step and word problems that stretch it.

1. A factory packs 9,375 bottles into cases of 24. How many full cases can it fill, and how many bottles are left over?

2. A bus holds 52 students. How many buses are needed to take 1,300 students on a field trip?

3. A bus holds 48 students. How many buses are needed to take 1,250 students on a field trip?

4. A farmer has 3,744 eggs. She packs them into cartons of 12, then puts the cartons into boxes of 24 cartons each. How many boxes does she fill?

5. Which quotient is closest to 200?

   A. 6,020 ÷ 35

   B. 7,980 ÷ 41

   C. 9,950 ÷ 53

   D. 5,130 ÷ 19

6. A rectangle has an area of 2,346 square feet and a width of 34 feet. What is its length?

7. Kim's car traveled 1,512 miles on 56 gallons of gas. How many miles per gallon did it get?

8. Ravi divided 3,627 by 9 and got 43. What mistake did he make, and what is the correct quotient?

9. The product of a number and 63 is 25,767. What is the number?

10. A club raised $4,875 to split evenly among 39 teams. How much does each team get?