ALBERT

Name _____ Date _____

Long Division Worksheet

Grade 4 · Common Core 4.NBT.B.6

> Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

Practice

Builds the skill step by step.

1. 84 ÷ 4 = ?

2. 96 ÷ 3 = ?

3. 75 ÷ 6 = ? Write the quotient and the remainder.

4. Which shows how to find 560 ÷ 7 using a basic fact?

   A. 56 ÷ 7 = 8, so 560 ÷ 7 = 8

   B. 56 ÷ 7 = 8, so 560 ÷ 7 = 80

   C. 56 ÷ 7 = 8, so 560 ÷ 7 = 800

   D. 560 ÷ 7 = 70

5. 248 ÷ 4 = ?

6. A coach shares 72 balls equally among 6 teams. How many balls does each team get?

7. 139 ÷ 5 = ? Write the quotient and the remainder.

8. Which multiplication checks that 156 ÷ 6 = 26?

   A. 6 + 26 = 32

   B. 156 × 6 = 936

   C. 26 − 6 = 20

   D. 6 × 26 = 156

9. 645 ÷ 5 = ?

10. This area model shows 168 ÷ 4. The rectangle is 4 units tall, and its area of 168 is split into parts of 160 and 8. The top row shows the missing lengths. What is 168 ÷ 4?

	?	**?**
4	160	8

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On Level

Grade-level practice.

1. 2,736 ÷ 8 = ?

2. 4,215 ÷ 5 = ?

3. 1,850 ÷ 7 = ? Write the quotient and the remainder.

4. 6 friends share 1,350 stickers equally. How many stickers does each friend get?

5. 3,008 ÷ 4 = ?

6. Which partial quotients show 945 ÷ 3?

   A. 900 ÷ 3 + 45 ÷ 3 = 30 + 15 = 45

   B. 945 ÷ 3 = 900 + 15 = 915

   C. 900 ÷ 3 + 45 ÷ 3 = 300 + 15 = 315

   D. 9 ÷ 3 + 4 ÷ 3 + 5 ÷ 3 = 6

7. 2,500 trading cards are put into packs of 6. How many full packs are there, and how many cards are left over?

8. 6,096 ÷ 6 = ?

9. A bike club rides 1,341 miles in 9 days, the same distance each day. How far does it ride each day?

10. Lu says 832 ÷ 4 = 28. What is the correct quotient?

    A. 2,008. Each digit is divided separately.

    B. 208. Lu left out the 0 in the tens place: 3 tens ÷ 4 is 0 tens.

    C. 280. Lu forgot to add a 0 at the end.

    D. 28. Lu is correct.

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Challenge

Multi-step and word problems that stretch it.

1. 7,654 ÷ 9 = ? Write the quotient and the remainder.

2. What number divided by 7 gives a quotient of 486 and a remainder of 3?

3. A school splits 4,000 pencils equally among 7 grades. Each grade gets as many pencils as possible. How many pencils are left over?

4. Find the missing digit: 3,_24 ÷ 4 = 956.

5. Ms. Patel buys 3 boxes of 1,248 beads. She shares all the beads equally among 9 tables. How many beads does each table get?

6. Which division has no remainder?

   A. 4,327 ÷ 6

   B. 5,431 ÷ 6

   C. 4,326 ÷ 6

   D. 2,005 ÷ 6

7. A farm packs 3,250 eggs into cartons that hold 6 eggs each. How many cartons are needed to hold all the eggs?

8. This area model shows 1,422 ÷ 6. The rectangle is 6 units tall, and its area is split into parts of 1,200, 180 and 42. What is 1,422 ÷ 6?

	?	?	?
6	1,200	180	42

9. What is the greatest remainder you can get when you divide a whole number by 8?

10. Ravi read a 1,296-page book series in 8 weeks, reading the same number of pages each week. Then he read 3 more books, each 175 pages long, in 5 weeks, again reading the same number of pages each week. How many more pages per week did he read during the first 8 weeks than during the next 5 weeks?