ALBERT

Name _____ Date _____

Multi-Digit Multiplication Worksheet

Grade 5 · Common Core 5.NBT.B.5

> Fluently multiply multi-digit whole numbers using the standard algorithm.

Practice

Builds the skill step by step.

1. 234 × 6 = ?

2. 47 × 23 = ?

3. 312 × 14 = ?

4. 58 × 36 = ?

5. 125 × 32 = ?

   A. 375

   B. 3,750

   C. 4,000

   D. 4,250

6. 1,203 × 5 = ?

7. A store has 24 boxes of pencils with 36 pencils in each box. How many pencils are there?

8. 406 × 25 = ?

9. 99 × 41 = ?

10. A hall has 18 rows of 45 chairs. How many chairs are there?

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On Level

Grade-level practice.

1. 4,326 × 7 = ?

2. 625 × 48 = ?

3. 309 × 76 = ?

4. There are 24 hours in a day. How many hours are in 365 days?

5. Lee multiplied 46 × 32 like this: 46 × 2 = 92, 46 × 3 = 138, and 92 + 138 = 230. What is the correct product?

   A. 230. Lee is correct.

   B. 1,472. The 3 in 32 means 30, so the second partial product is 46 × 30 = 1,380, and 92 + 1,380 = 1,472.

   C. 1,380. Only the tens partial product counts.

   D. 4,232. Multiply 46 × 92.

6. 2,408 × 35 = ?

7. A theater sells 1,250 tickets for $18 each. How much money does it collect?

8. 857 × 64 = ?

9. Mia saves $125 each week for 52 weeks. How much does she save?

10. 708 × 409 = ?

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Challenge

Multi-step and word problems that stretch it.

1. 3,456 × 78 = ?

2. A factory makes 2,345 bolts each hour. It runs 16 hours a day for 5 days. How many bolts does it make?

3. Find the missing digit (the ones digit of the first factor): 4_ × 25 = 1,175

4. Which is the best estimate of 487 × 32?

   A. 15,000

   B. 1,500

   C. 12,000

   D. 150,000

5. 999 × 99 = ?

6. A museum sells 128 adult tickets at $14 each and 215 child tickets at $9 each. How much money does it collect in all?

7. Which is true about 345 × 26 and 299 × 30?

   A. 345 × 26 is greater.

   B. 299 × 30 is greater.

   C. You can't tell without a calculator.

   D. They are equal.

8. A rectangular field is 125 meters long and 84 meters wide. What is its area?

9. 48 × 25 × 4 = ?

10. A school orders 36 boxes of crayons. Each box holds 144 crayons. How many crayons does the school order?