

Long Division Practice

Name: _____ Date: _____ Period: _____

Instructions: Solve each division problem. Show all of your work in the space provided. Write your final answer in the blank provided. For word problems, be sure to include the correct unit in your answer.

1. $5,832 \div 6 =$ _____

2. $7,455 \div 5 =$ _____

3. $9,408 \div 7 =$ _____

4. $8,244 \div 9 =$ _____

5. $6,390 \div 8 =$ _____

6. A bakery packs 4,872 cookies into boxes. Each box holds 6 cookies. How many boxes are needed?

7. A farmer has 3,654 apples. He puts them into crates that hold 9 apples each. How many crates does he need?

8. A school orders 5,280 pencils. The pencils are divided equally among 8 classrooms. How many pencils does each classroom receive?

9. A truck carries 7,392 pounds of sand. The sand is divided equally into 7 piles. How many pounds of sand are in each pile?

10. A factory produces 4,905 toy cars. The cars are packed into boxes of 5. How many boxes are filled?

Answer Key

1. $5,832 \div 6 = 972$
Working: $6 \times 900 = 5,400$; $5,832 - 5,400 = 432$; $6 \times 72 = 432$; $900 + 72 = 972$
2. $7,455 \div 5 = 1,491$
Working: $5 \times 1,000 = 5,000$; $7,455 - 5,000 = 2,455$; $5 \times 400 = 2,000$; $2,455 - 2,000 = 455$; $5 \times 90 = 450$; $455 - 450 = 5$; $5 \times 1 = 5$; $1,000 + 400 + 90 + 1 = 1,491$
3. $9,408 \div 7 = 1,344$
Working: $7 \times 1,000 = 7,000$; $9,408 - 7,000 = 2,408$; $7 \times 300 = 2,100$; $2,408 - 2,100 = 308$; $7 \times 40 = 280$; $308 - 280 = 28$; $7 \times 4 = 28$; $1,000 + 300 + 40 + 4 = 1,344$
4. $8,244 \div 9 = 916$
Working: $9 \times 900 = 8,100$; $8,244 - 8,100 = 144$; $9 \times 16 = 144$; $900 + 16 = 916$
5. $6,390 \div 8 = 798 \text{ R } 6$ (or 798.75)
Working: $8 \times 700 = 5,600$; $6,390 - 5,600 = 790$; $8 \times 90 = 720$; $790 - 720 = 70$; $8 \times 8 = 64$; $70 - 64 = 6$; $700 + 90 + 8 = 798$ remainder 6
6. $4,872 \div 6 = 812$ boxes
Working: $6 \times 800 = 4,800$; $4,872 - 4,800 = 72$; $6 \times 12 = 72$; $800 + 12 = 812$
7. $3,654 \div 9 = 406$ crates
Working: $9 \times 400 = 3,600$; $3,654 - 3,600 = 54$; $9 \times 6 = 54$; $400 + 6 = 406$
8. $5,280 \div 8 = 660$ pencils
Working: $8 \times 600 = 4,800$; $5,280 - 4,800 = 480$; $8 \times 60 = 480$; $600 + 60 = 660$
9. $7,392 \div 7 = 1,056$ pounds
Working: $7 \times 1,000 = 7,000$; $7,392 - 7,000 = 392$; $7 \times 50 = 350$; $392 - 350 = 42$; $7 \times 6 = 42$; $1,000 + 50 + 6 = 1,056$
10. $4,905 \div 5 = 981$ boxes
Working: $5 \times 900 = 4,500$; $4,905 - 4,500 = 405$; $5 \times 80 = 400$; $405 - 400 = 5$; $5 \times 1 = 5$; $900 + 80 + 1 = 981$