

Leftovers – Answer Key

Answer each question. Show your work and explain your solution.

1. A teacher has 190 pencils. She needs to divide them into 8 groups. How many would each group have and how many pencils would be left over? Show your work and write sentences that explain how you solved this problem.

$190 \div 8 = 23 \text{ R } 6$
There will be 23 groups of 8 pencils, with 6 pencils leftover.



2. The chicken farmer's hens laid 327 eggs. An egg carton contains 12 eggs. How many egg cartons can the farmer fill and how many eggs are left over?

$327 \div 12 = 27 \text{ R } 3$
There will be 27 dozen eggs, with 3 eggs leftover.

3. It took 387 minutes to drive to the nearest national park. How many hours and minutes did it take to get to the park?

$387 \div 60 = 6 \text{ R } 27$
It took 6 hours, 27 minutes to drive to the park.

4. Thirty-five CDs fit in a box. There are 812 CDs that need to be packed. How many boxes can be filled with CDs, and how many CDs will be left over?

$812 \div 35 = 23 \text{ R } 7$
There will be 23 boxes of CDs, with 7 CDs leftover.

5. There are 1,760 yards in a mile. You walked 15,180 yards on a hiking trail. How many miles and yards did you walk?

$15,180 \div 1,760 = 8 \text{ R } 1,100$
You walked 8 miles, 1,100 yards.

6. One-hundred oranges fit in a crate. There are 532 oranges to be crated. How many crates can be filled, and how many oranges will be left over?

$532 \div 100 = 5 \text{ R } 32$
There will be 5 boxes of oranges, with 32 oranges leftover.

7. Twenty candy bars fit in a box. There are 367 candy bars to be boxed. How many boxes could be filled, and how many candy bars will be left over?

$367 \div 20 = 18 \text{ R } 7$
There will be 18 boxes of candy bars, with 7 candy bars leftover.

