

MGSE4.NBT.6 Find whole number quotients and remainders with up to 4 digit dividends and one digit divisors.

MGSE4.OA.3 Solve multistep word problems with whole numbers using the four operations, including problems with remainders

**1. Find the quotient.**

A.  $2,100 \div 7 =$  \_\_\_\_\_

B.  $3,200 \div 4 =$  \_\_\_\_\_

C.  $1,792 \div 7 =$  \_\_\_\_\_

**2. Find the quotient and remainder.**

A.  $5,042 \div 6 =$

B.  $289 \div 4 =$  \_\_\_\_\_

**3. Problem Solving.**

A. A band played 4 shows before a total of 2,400 people. The same number of people saw each show. How many people saw each show?

B. There are 8 markers in a box. How many boxes can be made from 448 markers?

C. A popcorn vendor sold 480 bags of popcorn at 6 baseball games. How many bags of popcorn did they sell at each game?

D. There are 4 students on a team for the relay race. How many teams can be made from 505 students?

**4. Multi-step word problem**

Sam has 4 boxes of matchbox cars. Each box has 12 cars. He wants to divide them among 8 classmates. How many cars will each classmate get?

**5. Interpret the remainder**

Two hundred eight-nine students go canoeing at a summer camp. No more than 4 students are allowed in each canoe. What is the minimum number of canoes needed for all 289 students to participate?

Sandra has 24 thimbles to put into 5 sewing boxes. If she puts the same amount of thimbles in each sewing box, how many thimbles remain?

The hostess at IHOP is stacking menus in stacks of 7 each. There are 55 menus to stack. How many stacks of 7 will she be able to make?

## Q2C3 Division Study Guide Key

1. Find the quotient.

A.  $2,100 \div 7 = 300$       B.  $3,200 \div 4 = 800$       C.  $1,792 \div 7 = 256$

2. Find the missing number.

A.  $5,042 \div 6 = \mathbf{840 \text{ r } 2}$                       B.  $289 \div 4 = 72 \text{ R}1$

3. Problem Solving.

A. A band played 4 shows before a total of 2,400 people. The same number of people saw each show. How many people saw each show?  $2,400 \div 4 = 600$

B. There are 8 markers in a box. How many boxes can be made from 448 markers? **56 boxes**

C. A popcorn vendor sold 480 bags of popcorn at 6 baseball games. How many bags of popcorn did they sell at each game?  $480 \div 6 = 80$

D. There are 4 students on a team for the relay race. How many teams can be made from 505 students?  $505 \div 4 = 126 \text{ R}1$ , SO, they can make 126 teams...ignore the remainder

## 4. Multi-step word problem

Sam has 4 boxes of matchbox cars. Each box has 12 cars. He wants to divide them among 8 classmates. How many cars will each classmate get? **6 cars**

## 5. Interpret the remainder

Two hundred eight-nine students go canoeing at a summer camp. No more than 4 students are allowed in each canoe. What is the minimum number of canoes needed for all 289 students to participate?

**73 canoes (72 r 1 must round up the quotient to 73 so that all students can go in a canoe.)**

Sandra has 24 thimbles to put into 5 sewing boxes. If she puts the same amount of thimbles in each sewing box, how many thimbles remain? **4 thimbles remain**

The hostess at IHOP is stacking menus in stacks of 7 each. There are 55 menus to stack. How many stacks of 7 will she be able to make? **7 full stacks**