

Name: \_\_\_\_\_

Section: \_\_\_\_\_



**WRITE YOUR NAME**

### Homework

This week we will be finishing multiplication and begin with division.

**Homework is due on MONDAY Oct 23**

### Reminders

Please remember that homework is just a reinforcement of what we do in class. When a scholar completes homework, they are retaining the information. A scholar who does not complete the homework is more likely to forget what was learned in class.

### Notes

- Homework is graded for completion. **However, students must show their work.** Students will lose 50% of the points if they turn in homework showing no work, even if the answers are present.
- **I will not accept homework more than four days late.** If the homework is **due on Monday**, the last day to turn it in will be **Friday**. Late homework will have points deducted. Homework will be graded as follows:
  - o On time and complete/work shown: 100%
  - o One day late: deduct 11 %
  - o Two days late: deduct 21 %
  - o Three days late: deduct 31%
  - o Four days late: deduct 41%
  - o Five days or more late: Z

Please feel free to contact me with any questions or concerns at [natalie.roman@archimedean.org](mailto:natalie.roman@archimedean.org).

<input type="checkbox"/>	<u>Monday</u>	October 16	FINISH STEM Packet and Keynote
<input type="checkbox"/>	<u>Tuesday</u>	October 17	Finish STEM Packet and Keynote
<input type="checkbox"/>	<u>Wednesday</u>	October 18	Reteach- Interpreting Remainder
<input type="checkbox"/>	<u>Thursday</u>	October 19	Simple Long Division Word Problems
<input type="checkbox"/>	<u>Friday</u>	October 20	Long Division

# Interpret Remainders

When you solve a division problem with a remainder, the way you interpret the remainder depends on the situation and the question.

## Way 1: Write the remainder as a fraction.

Callie has a board that is 60 inches long. She wants to cut 8 shelves of equal length from the board and use the entire board. How long will each shelf be?

Divide.  $60 \div 8$  7 r4

The remainder, 4 inches, can be divided into 8 equal parts.

$\frac{4}{8}$  ← remainder  
      ← divisor

Write the remainder as a fraction.

Each shelf will be  $7\frac{4}{8}$  inches long.

## Way 2: Use only the quotient.

Callie has 60 beads. She wants to make 8 identical bracelets and use as many beads as possible on each bracelet. How many beads will be on each bracelet?

Divide.  $60 \div 8$  7 r4

The remainder is the number of beads left over. Those beads will not be used. Drop the remainder.

Callie will use 7 beads on each bracelet.

## Way 3: Add 1 to the quotient.

Callie has 60 beads. She wants to put 8 beads in each container. How many containers will she need?

Divide.  $60 \div 8$  7 r4

The answer shows that Callie can fill 7 containers but will have 4 beads left over. She will need 1 more container for the 4 leftover beads. Add 1 to the quotient.

Callie will need 8 containers.

## Way 4: Use only the remainder.

Callie has 60 stickers. She wants to give an equal number of stickers to 8 friends. She will give the leftover stickers to her sister. How many stickers will Callie give to her sister?

Divide.  $60 \div 8$  7 r4

The remainder is the number of stickers left over. Use the remainder as the answer.

Callie will give her sister 4 stickers.

- 1** There are 35 students going to the zoo. Each van can hold 6 students. How many vans are needed?

\_\_\_\_\_

- 2** Sue has 55 inches of ribbon. She wants to cut the ribbon into 6 equal pieces. How long will each piece be?

\_\_\_\_\_

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**SHOW ALL YOUR WORK!!!**

Georgina has 48 small shells. She uses 2 shells to make one pair of earrings. How many pairs of earrings can she make?

Abner collects postcards that his friends send him when they travel. He can put 6 cards on one scrapbook page. How many pages does Abner need to fit 42 postcards?

Ari stocks shelves at a grocery store. He puts 35 cans of juice in each display case. The case has 4 shelves with an equal number of cans, and one shelf with only 3 cans. How many cans are on each of the equal shelves?

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**SHOW ALL YOUR WORK!!!**

$$7 \overline{)224}$$

$$7 \overline{)259}$$

$$328 \div 2 = \underline{\hspace{2cm}}$$

$$475 \div 5 = \underline{\hspace{2cm}}$$