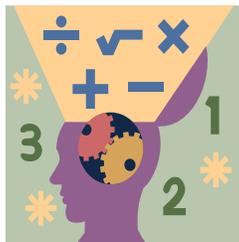


Name: \_\_\_\_\_ Section: \_\_\_\_\_



### Homework

Greetings Scholar and Parents. Hope you are all comfortably settled into the new year. This week we will be working on **2: Multiplication and Division**. Remember to check **CINEMATH** for reviews!

### Extra Practice – OPTIONAL THIS WEEK

Additional practice for the daily lessons is available on IXL. To access extra practice, please have your child login into IXL. Under the **“What should I work on”** section, scholars will find Teacher Assigned Lessons. From there, you will see a list of lessons reinforcing the daily skills.

- Multiply 2-digit numbers by 2-digit numbers
- Multiply by 2-digit numbers: word problems
- Multiply by 3-digit numbers
- Divide 2-digit and 3-digit numbers by 2-digit numbers
- Divide 4-digit numbers by 2-digit numbers
- Divide 4-digit numbers by 2-digit numbers: word problems

### Notes

**Completed homework packets should be uploaded or turned in on Sunday September 15th, 2024.**

Students must prove and show all their work in the provide space. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. If a scholar struggles with a lesson, they can review the daily lesson on HMH. Please feel free to contact me with any questions or concerns at [peter.vanegas@archimedean.org](mailto:peter.vanegas@archimedean.org).

<u>Monday</u>	September 9 <sup>th</sup>	– 2.1
<u>Tuesday</u>	September 10 <sup>th</sup>	– <b>Diagnostic Day</b>
<u>Wednesday</u>	September 11 <sup>th</sup>	– 2.2
<u>Thursday</u>	September 12 <sup>th</sup>	– 2.4
<u>Friday</u>	September 13 <sup>th</sup>	– End of Chapter Review

# Divide by 2-Digit Divisors

Go Online

Interactive Examples

Divide. Write the remainder as a fraction. Check your answer.

24.  $385 \div 12$

$$\begin{array}{r} 32 \frac{1}{12} \\ 12 \overline{)385} \\ \underline{-36} \phantom{0} \\ 25 \\ \underline{-24} \\ 1 \end{array}$$

25.  $837 \div 36$

26.  $16,504 \div 55$

27.  $5,634 \div 18$

28.  $28 \overline{)64,512}$

29.  $52 \overline{)5,256}$

30.  $85 \overline{)1,955}$

31.  $46 \overline{)57,624}$

## Problem Solving

32. Factory workers make 756 machine parts in 36 hours. Suppose the workers make the same number of machine parts each hour. How many machine parts do they make each hour?

\_\_\_\_\_

33. One bag holds 12 bolts. Several bags filled with bolts are packed into a box and shipped to the factory. The box contains a total of 2,760 bolts. How many bags of bolts are in the box?

\_\_\_\_\_

34.  **WRITE** *Math* Choose a problem that you solved in the lesson and solve the same problem using the partial quotients method. Compare the methods to solve the problems. Name the method you like better and explain why.

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## Lesson Check

- 35.** A bakery packages 868 muffins into 31 boxes. The same number of muffins are put into each box. How many muffins are in each box?
- 36.** Maggie places 89 identical orders for her company. The total cost of the orders is \$10,324. How much is the cost of each order?

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# Interpret the Remainder

Go Online

Interactive Examples

**Interpret the remainder to solve.**

11. Warren spent 140 hours making 16 wooden toy trucks for a craft fair. If he spent the same amount of time making each truck, how many hours did he spend making each truck?

$$\begin{array}{r} 8 \\ 16 \overline{)140} \\ \underline{-128} \\ 12 \end{array}$$

 $8\frac{12}{16}$  hours

12. Mihir has 14,203 beads. He uses 36 beads to make one necklace. How many necklaces can he make?

## Problem Solving

13. A campground has cabins that can each hold 28 campers. There are 148 campers visiting the campground. How many cabins are full if 28 campers are in each cabin?
14. Frida has 220 ounces of cleaning solution that she wants to divide equally among 12 large containers. How much cleaning solution should she put in each container?

15. **WRITE**  *Math* Suppose you have 192 marbles in groups of 15 marbles each. Find the number of groups of marbles that you have. Write the quotient with the remainder written as a fraction. Explain what the fraction part of your answer means.

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## Lesson Check

16. Henry and 28 classmates go to the roller skating rink. Each van can hold 11 students. If all of the vans are full except one, how many students are in the van that is not full?
17. Luiza buys 20 ounces of mixed nuts. She puts an equal number of ounces in each of 3 bags. How many ounces of mixed nuts will be in each bag? Write the answer as a whole number and a fraction.

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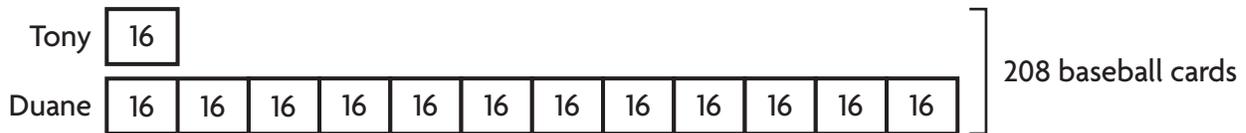
# Draw to Solve Division Problems

Go Online

Interactive Examples

Show your work. Solve each problem.

9. Duane has 12 times as many baseball cards as Tony. Between them, they have 208 baseball cards. How many baseball cards does each boy have?



$$208 \div 13 = 16$$

---

Tony: 16 cards; Duane: 192 cards

## Problem Solving · Applications

10. Over the summer, Gabriela read 10 times as many pages as Salima. Altogether, they read 12,078 pages. How many pages did each girl read?
11. Kelly has 4 times as many songs on her music player as Lou. Tiffany has 6 times as many songs on her music player as Lou. Altogether, they have 682 songs on their music players. How many songs does Kelly have?

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12.  Create a word problem that uses division.

Draw a bar model to help you write an equation to solve the problem.

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## Lesson Check

- 13.** Chelsea has 11 times as many art brushes as Monique. If they have 60 art brushes altogether, how many brushes does Chelsea have?
- 14.** Jo has a gerbil and a German shepherd. The shepherd eats 14 times as much food as the gerbil. Altogether, they eat 225 ounces of dry food per week. How many ounces of food does the German shepherd eat per week?

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Name \_\_\_\_\_

## Chapter Review

1. Choose the word that makes the sentence true.

For an estimate of the quotient of  $1,875 \div 9$ ,

the first digit will be in the \_\_\_\_\_ place.

ones  
tens  
hundreds  
thousands

2. For numbers 2a–2d, select True or False to indicate whether the quotient is correct.

2a.  $12,567 \div 45 = 279\frac{12}{45}$        True       False

2b.  $6,004 \div 36 = 166\frac{28}{36}$        True       False

2c.  $61,809 \div 27 = 2,289\frac{6}{27}$        True       False

2d.  $4,958 \div 63 = 708\frac{44}{63}$        True       False

3. Chen is checking a division problem by doing the following:

$$\begin{array}{r} 152 \\ \times 4 \\ \hline \\ + 2 \\ \hline \end{array}$$

What problem is Chen checking?

4. Isaiah wrote this problem in his notebook. Using the vocabulary boxes, label the parts of the division problem. Then using the vocabulary, explain how Isaiah can check whether his quotient is correct.

quotient

divisor

dividend

$$\begin{array}{r} 72 \quad \boxed{\phantom{00}} \\ \boxed{\phantom{00}} \overline{)648} \quad \boxed{\phantom{00}} \end{array}$$

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5. Tammy says the quotient of  $793 \div 6$  is  $132\frac{1}{6}$ . Use multiplication to show if Tammy's answer is correct.

6. A city has 25,967 bins for recycling paper. It gives each of the 89 schools in the city the same number of bins.

6a. How many bins does each school get? \_\_\_\_\_ bins

6b. How many bins are left over? \_\_\_\_\_ bins left over

7. Dana is making a seating chart for an awards banquet. There are 184 people coming to the banquet. If 8 people can be seated at each table, how many tables will be needed for the awards banquet?

\_\_\_\_\_ tables

Name \_\_\_\_\_

8. Carlos, Vern, and Georgia go to pick strawberries. Carlos picks 3 times as many pounds as Vern. Georgia picked 5 times as many pounds as Vern. Together, Carlos and Georgia picks 16 pounds of strawberries.

8a. Draw a diagram to represent the situation.

- 8b. How many pounds of strawberries did each person pick?

Carlos: \_\_\_\_\_ pounds

Vern: \_\_\_\_\_ pounds

Georgia: \_\_\_\_\_ pounds

9. For numbers 9a–9c, choose Yes or No to indicate whether the statement is correct.

9a.  $5,210 \div 17$  is  $306\frac{8}{17}$ .  Yes  No

9b.  $8,808 \div 42$  is  $209\frac{30}{42}$ .  Yes  No

9c.  $1,248 \div 24$  is 51.  Yes  No

10. Draw a bar model to represent the equation. Then solve.

10a.  $4d = 124$

\_\_\_\_\_

$d =$  \_\_\_\_\_

10b.  $a \div 3 = 16$

\_\_\_\_\_

$a =$  \_\_\_\_\_

11. Divide. Show your work.

$$17 \overline{)5,210}$$

12. Tempest wants to buy a new camera. She wants to save enough money each month to buy it in 7 months. She saves \$46 each month. Write an equation and solve to find the cost  $c$  of the camera.

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13. Samuel needs 233 feet of wood to build a fence. The wood comes in lengths of 11 feet.

### Part A

How many total pieces of wood will Samuel need? Explain your answer.

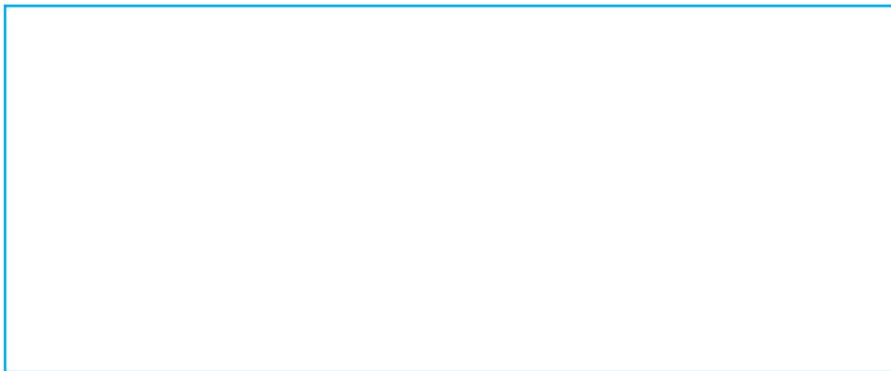
### Part B

Theresa needs twice as many feet of wood as Samuel. How many pieces of wood does Theresa need? Explain your answer.

Name \_\_\_\_\_

- 14.** Russ and Vickie are trying to solve this problem:  
There are 146 students taking buses to the museum. If each bus holds 24 students, how many buses will they need?

Russ says the students need 6 buses. Vickie says they need 7 buses.  
Who is correct? Explain your reasoning.



- 15.** Lashondra's playlist has 9 times as many songs as Harriette's playlist. Velora has 7 times as many songs on her playlist as Harriette does. If they combined their playlists, they would have 986 songs.

**15a.** Draw a diagram to represent the situation.

**15b.** How many songs does each playlist contain?

Lashondra's playlist: \_\_\_\_\_ songs

Harriette's playlist: \_\_\_\_\_ songs

Velora's playlist: \_\_\_\_\_ songs

16. Steve is buying apples for the fifth grade. Each bag holds 12 apples. If there are 75 students total, how many bags of apples will Steve need to buy if he wants to give one apple to each student?

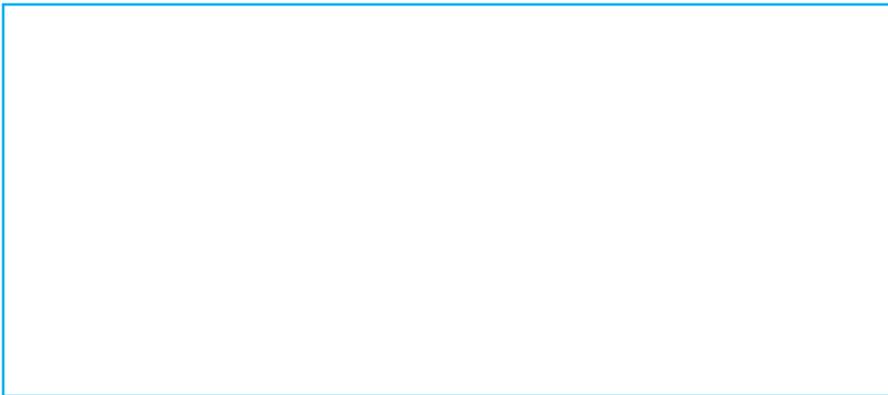
\_\_\_\_\_ bags

17. Keona gathers 144 old family photos and puts them into an album. Each page of the album holds 6 photos. Write an equation and solve to find the number of pages  $p$  that he fills in the album.

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18. Paula has a dog that weighs 3 times as much as Carla's dog. The total weight of the dogs is 48 pounds. How much does Paula's dog weigh?

Draw a diagram to find the weight of Paula's dog.



19. Dylan estimates the first digit in the quotient.

$$\begin{array}{r} 6 \\ 46 \overline{)3,662} \end{array}$$

Dylan's estimate is 

too high.
too low

.