

AMERICAN MATH HW
WEEK OF October 27 to October 31

Due Date: **Sunday, 11/02 by midnight**

Focus for the week: The focus of the HW this week is to multiply by multi digit numbers, represent division with 2-digit divisors, partial quotients, and estimate with 2-digit divisors.

Pacing guideline: Look at the top right corner of the page for the suggested pace.

Uploading Instructions: Homework will be accepted only through Archie. Upload homework on Archie and wait till you get the message – “**the file has been successfully uploaded**”. If for any reason you have technical issues, get in touch with me as soon as possible.

Paper homework is accepted for valid reasons. In such cases, parents should reach out via email to inform about the same.

IMPORTANT – Please show ALL YOUR WORK done to find the answer to any problem to earn FULL CREDIT. No credit is earned when only final answer is written and no work is shown.

Note: Bring your homework to class every day. I will discuss the HW from the previous day in every class. It is important to practice the assigned topics daily because the next day’s instruction builds on the previous lesson.

Additional Practice Material (Optional):

1) IXL practice:

- i. Go to IXL.com on any web browser OR IXL app on iPad
- ii. Login using following credentials:
 - Username – your_archie_username@archimedeanacad
 - Password – archie199
- iii. Go to Learning> Skills> Fourth Grade Math
- iv. Practice modules –
Fourth Grade : K11, K12, K13, K14, N6, N7, N8

Multiply by Multi-Digit Numbers

Go Online

Interactive Examples

Estimate. Then find the product.

23. Estimate: 4,000

$$\begin{array}{r} 82 \\ \times 49 \\ \hline 738 \\ + 3,280 \\ \hline 4,018 \end{array}$$

24. Estimate: _____

$$\begin{array}{r} 8,792 \\ \times 68 \\ \hline \end{array}$$

25. Estimate: _____

$$\begin{array}{r} 1,537 \\ \times 242 \\ \hline \end{array}$$

26. 523×267


27. $15,309 \times 29$

28. 612×87

Problem Solving

29. A company shipped 48 boxes of canned dog food. Each box contains 24 cans. How many cans of dog food did the company ship in all?

30. There were 135 cars in a rally. Each driver paid a \$25 fee to participate in the rally. How much money did the drivers pay in all?

31.  *Math* Write a problem multiplying a 3-digit number by a 2-digit number. Show all the steps to solve it by using place value and regrouping and by using partial products.

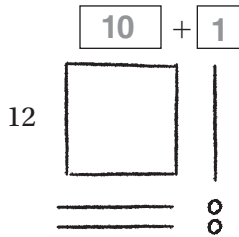
Represent Division with 2-Digit Divisors

Go Online

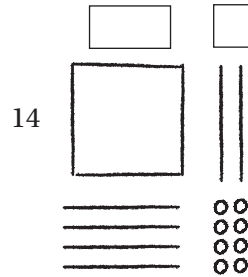
Interactive Examples

Use the quick picture to divide.

15. $132 \div 12 = \underline{\quad 11 \quad}$



16. $168 \div 14 = \underline{\quad \quad}$




Divide. Draw a quick picture.

17. $192 \div 16 = \underline{\quad \quad}$

18. $169 \div 13 = \underline{\quad \quad}$

Problem Solving

19. There are 182 seats in a theater. The seats are evenly divided into 13 rows. How many seats are in each row?
20. There are 156 students at summer camp. The camp has 13 cabins. An equal number of students sleep in each cabin. How many students sleep in each cabin?

21.  **WRITE** *Math* Write a division problem that has a 3-digit dividend and a divisor between 10 and 20. Show how to solve it by drawing a quick picture.

Partial Quotients

Go Online

Interactive Examples

Divide. Use partial quotients. Write the remainder as a fraction.

25. $18\overline{)236}$

$$\begin{array}{r}
 18\overline{)236} \\
 \underline{-180} \leftarrow 10 \times 18 \\
 56 \\
 \underline{-36} \leftarrow 2 \times 18 \\
 20 \\
 \underline{-18} \leftarrow 1 \times 18 \\
 2
 \end{array}
 \quad
 \begin{array}{r}
 10 \\
 2 \\
 + 1 \\
 \hline
 13
 \end{array}$$

26. $36\overline{)540}$

27. $27\overline{)624}$

$236 \div 18$ is $13\frac{2}{18}$.

28. $9,514 \div 28$


29. $322 \div 14$

30. $62,715 \div 25$

Problem Solving

31. A factory processes 1,560 ounces of olive oil per hour. The oil is packaged into 24-ounce bottles. How many bottles does the factory fill in one hour?

32. A pond at a hotel holds 14,274 gallons of water. The groundskeeper drains the pond at a rate of 78 gallons of water per hour. How long will it take to drain the pond?

33.  *Math* Explain how using partial quotients to divide is similar to using the Distributive Property to multiply.

Estimate with 2-Digit Divisors

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Interactive Examples

Use compatible numbers to find two estimates.

21. $18 \overline{)1,322}$

22. $12 \overline{)478}$

23. $33,671 \div 12$

24. $2,242 \div 33$

$1,200 \div 20 = 60$

$1,400 \div 20 = 70$

Use compatible numbers to estimate the quotient.

25. $82 \overline{)5,514}$

26. $61 \overline{)5,320}$

27. $28 \overline{)776}$

28. $23 \overline{)16,259}$

Problem Solving

29. A cubic yard of topsoil weighs 4,128 pounds. About how many 50-pound bags of topsoil can you fill with one cubic yard of topsoil?

30. An electronics store places an order for 2,665 USB flash drives. One shipping box holds 36 flash drives. About how many boxes will it take to hold all the flash drives?

31.  *Math* Create a division problem with a 2-digit divisor.

Using more than 1 set of compatible numbers, observe what happens when you estimate using a different divisor, a different dividend, and when both are different. Using a calculator, compare the estimates to the answer and describe the differences.
