

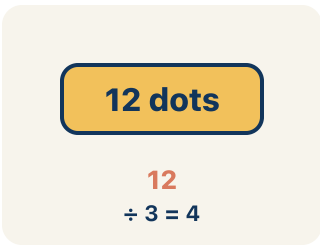
Divide Multi-Digit Numbers

Lesson 1-4

Name: _____ **Date:** _____ **Class:** _____

Key Vocabulary Level 2 Standard

Picture first, then the word, then a plain-language meaning. Say each word out loud.

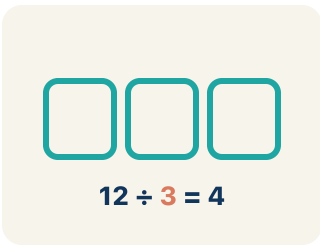


12 dots
 $12 \div 3 = 4$

In $156 \div 12 = 13$, the dividend is 156 – it is the total being split up

Dividend

Write the definition:

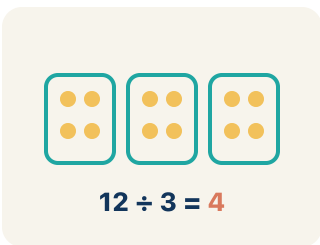


$12 \div 3 = 4$

In $156 \div 12 = 13$, the divisor is 12 – it is the size of each group

Divisor

Write the definition:

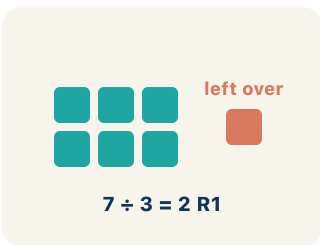


$12 \div 3 = 4$

In $156 \div 12 = 13$, the quotient is 13 – there are 13 groups

Quotient

Write the definition:

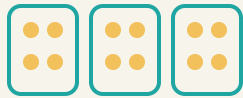


$7 \div 3 = 2 R1$

$17 \div 5 = 3 R 2$ means 3 groups of 5 with 2 left over

Remainder

Write the definition:



$$12 \div 3 = 4$$

1,344 \div 12: first $12 \times 100 = 1,200$, then $12 \times 12 = 144$. Quotient = $100 + 12 = 112$

Partial quotients

Write the definition:

Guided Notes Level 2 Standard



WHAT WE'RE LEARNING TODAY

I can divide multi-digit whole numbers and explain the meaning of the quotient and remainder.

Fill in each blank as we go. Use the Word Bank to help you.



WORD BANK — FILL EACH BLANK WITH THE BEST WORD

Dividend

Divisor

Quotient

Remainder

Partial quotients



Tap any word to see what it means and a picture.

1 In $84 \div 7$, the number 84 being divided is the .

2 In $84 \div 7$, the number 7 that we divide by is the .

3 The answer to a division problem is called the .

4 When a number does not divide evenly, the amount left over is the

.

5 Breaking division into easier chunks and adding the pieces uses

.

Watch & Try — Worked Examples

See the notes in action: watch one worked all the way through, then try the next with the same steps.

 **I do – watch**

Follow each step as your teacher solves it.

Problem: What is $936 \div 12$?

- A. 78
- B. 87
- C. 68
- D. 76

Step 1 $12 \times 78 = 936$.

Step 2 You can verify: $12 \times 70 = 840$, $12 \times 8 = 96$, $840 + 96 = 936$.


 **Answer:** A. 78

 **Try – put the steps in order**

Drag the cards (or use the ▲ ▼ buttons) to put the solution steps in the right order, then press **Check**.

You can verify: $12 \times 70 = 840$, $12 \times 8 = 96$, $840 + 96 = 936$.

$12 \times 78 = 936$.

 **We do – together**

Solve this one with your class using the same steps.

Problem: What is $2,485 \div 5$?

- A. 497
- B. 487
- C. 507
- D. 496

Step 1 _____

Step 2 _____

Answer: _____

 **You do — your turn**

Now try one on your own. Show every step.

Problem: What is $756 \div 9$?

- A. 84
- B. 83
- C. 94
- D. 86

Show your work:

Try It

Solve on your own. Check the answer key when you are done.

1. Path 1: The first arcade door shows $4,928 \div 7$. Which quotient lights the correct path?

- A. 704
- B. 74
- C. 740
- D. 703 r7

Show your work:

2. Path 2: A side corridor displays $6,045 \div 9$. Which door is correct?

- A. 671 R 6
- B. 671
- C. 672 R 3
- D. 67 R 6

Show your work:

Stretch Your Thinking

Level 2 enrichment

Challenge task — explain your reasoning in full sentences.

A school has 1,680 pencils to distribute equally to 24 classrooms. Show how to solve this using partial quotients. Explain each step and check your answer by multiplying.

Sentence starter: $1,680 \div 24 = \underline{\quad}$. First I used $24 \times \underline{\quad} = \underline{\quad}$, then $24 \times \underline{\quad} = \underline{\quad}$. The partial quotients add to $\underline{\quad}$. I checked by multiplying: $24 \times \underline{\quad} = 1,680$.

Show your work:

Reflect — Exit Ticket

What is $2,352 \div 16$?

- A. 147
- B. 137
- C. 157
- D. 146

Your answer:
