

## KEY CONCEPT OVERVIEW

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Lessons 14 through 17 focus on solving multiplication and division problems that use units of 4.

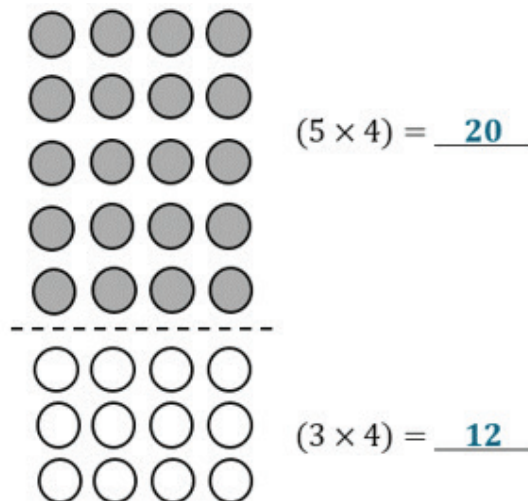
You can expect to see homework that asks your child to do the following:

- Draw arrays and organize them into tape diagrams with the known and unknown parts labeled.
- Use the break apart and distribute strategy to solve challenging multiplication problems that use units of 4 (as shown in the sample problem below).
- Solve multiplication and division word problems.

## SAMPLE PROBLEM (From Lesson 16)

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The array below shows one strategy for solving  $8 \times 4$ . Explain the strategy using your own words.



***I split apart the 8 rows of 4 into 5 rows of 4 and 3 rows of 4. I split the array there because my fives facts and my threes facts are easier than my eights facts. I know that  $5 \times 4 = 20$  and  $3 \times 4 = 12$ . I can add those products to find that  $8 \times 4 = 32$ .***

### Video Links

LEARN MORE by viewing a video about the break apart and distribute strategy using arrays and number bonds, visit [eurmath.link/arrays-numberbonds-1](http://eurmath.link/arrays-numberbonds-1) and [eurmath.link/arrays-numberbonds-2](http://eurmath.link/arrays-numberbonds-2)

Additional sample problems with detailed answer steps are found in the *Eureka Math Homework Helpers* books. Learn more at [GreatMinds.org](http://GreatMinds.org).

**HOW YOU CAN HELP AT HOME** 

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- Continue to practice multiplication and division facts from memory with factors of 2, 3, 4, 5, and 10.
- For the facts that your child struggles with, write each fact on a paper plate (without the answer). With each plate, your child can read the problem, say the answer, and throw the plate across the room like a Frisbee. Your child can also step on the problems and say the answer, laying the plates in a path throughout your home. You can also hang the plates on a wall or staircase, and your child can high-five each plate as he says the answer.