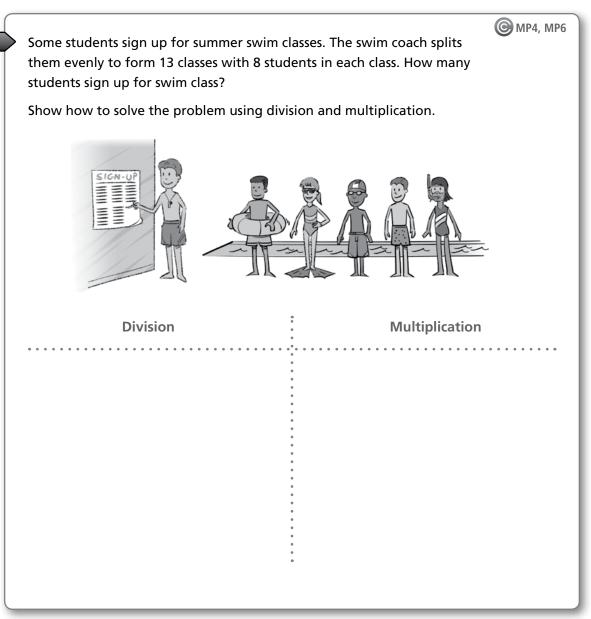
Digital Resources

CCSS: 6.EE.B.7: Solve real-world and mathematical problems by writing and solving equations of the form x + p = q and px = q for cases in which p, q and x are all nonnegative rational numbers.

Solving Multiplication and Division



Equations



Reflect Could you have solved the problem using only division and not any multiplication? How?

Copyright $\ensuremath{\mathbb{O}}$ by Pearson Education, Inc., or its affiliates. All Rights Reserved.

Topic 3 69

Got It?

PART 1 Got It

Solve the equation 5s = 30.

PART 2 Got It

Each equation shows an operation. For which equation(s) is division the inverse operation?

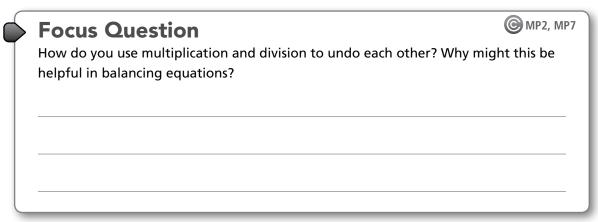
I. $m \div 3 = 27$ II. $39 = h \cdot 13$ III. $10 \cdot z = 120$

PART 3 Got It

Solve the equation $m \div 15 = 25$.

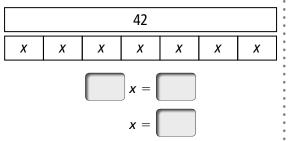
Copyright $\ensuremath{\mathbb{O}}$ by Pearson Education, Inc., or its affiliates. All Rights Reserved.

Close and Check



Do you know **HOW**?

1. Write and solve the modeled equation.



2. Write the inverse operation for each equation shown in the table below. Use A for addition, S for subtraction, **M** for multiplication and **D** for division.

Equation	Inverse Operation
36 = 12 <i>r</i>	
$d \div 15 = 4$	
5 + <i>f</i> = 13	
56 = 7 <i>t</i>	
$14 \div s = 2$	
63 - p = 46	

Do you UNDERSTAND?

3. Writing Draw and explain a model of the equation 3x = 18.

4. Reasoning A teacher has 72 pencils to split among 24 students. She asks the class to write an equation to figure out how many each gets. Student A writes: $72 \div 24 = x$ Student B writes: 24x = 72Who is correct? Explain.

Copyright © by Pearson Education, Inc., or its affiliates. All Rights Reserved. 71