Name_____ Date_____ Period_____

LESSON 6-7 · SESSION 1 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Multiplication and Division Facts

Builds on Grade 3 · 3.OA.C.7

TODAY'S LESSON	You will find the GCF of numbers like 18 and 27, so you need fast facts.
YOU NEED TO	Find a missing factor, like ___ × 9 = 27. **You will use it in Practice Form A, problems 2 and 4.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **known factor** and the product.
2. **Count by** the known factor until you reach the product.
3. The **number of jumps** is the missing factor. Check by multiplying.

WATCH ME

the steps in action

Find the missing factor: ___ × 9 = 27.

Step 1 The known factor is 9. The product is 27.

Step 2 Count by 9s: 9, 18, 27.

Step 3 That is 3 jumps. Check: 3 × 9 = 27.

Answer **3**

TRY IT WITH HELP

fill in each step

1. Find the missing factor: ___ × 6 = 18.

Step 1 The known factor is _____.

Step 2 Count by 6s: 6, _____, _____.

Step 3 That is _____ jumps.

2. Find the missing factor: ___ × 8 = 32.

Step 1 The known factor is _____.

Step 2 Count by 8s: 8, 16, _____, _____.

Step 3 That is _____ jumps.

YOUR TURN

use the steps on your own

3. Find the missing factor.

a. ___ × 6 = 42 _____ **b.** 8 × ___ = 40 _____ **c.** ___ × 9 = 36 _____

d. 7 × ___ = 28 _____ **e.** ___ × 5 = 35 _____ **f.** 3 × ___ = 24 _____

Test for Divisibility

Builds on Grade 4 · 4.OA.B.4

TODAY'S LESSON	You will list every factor of 45 and build a factor tree for 42.
YOU NEED TO	Test whether 2, 3, or 5 divides a number like 45. **You will use it in Practice Form A, problems 2 and 3.**

STEPS TO FOLLOW

use these same steps on every problem

1 Test **2**: is the ones digit even?

2 Test **5**: is the ones digit 0 or 5?

3 Test **3**: add the digits. Does 3 divide the sum?

WATCH ME

the steps in action

Which of 2, 3, and 5 divide 45?

Step 1 The ones digit is 5. It is odd, so 2: no.

Step 2 The ones digit is 5, so 5: yes.

Step 3 4 + 5 = 9. 3 divides 9, so 3: yes.

Answer **3 and 5 divide 45. 2 does not.**

TRY IT WITH HELP

fill in each step

4. Which of 2, 3, and 5 divide 42?

Step 1 Ones digit _____. Even? _____

Step 2 Ones digit 0 or 5? _____

Step 3 4 + 2 = _____. Does 3 divide it? _____

5. Which of 2, 3, and 5 divide 35?

Step 1 Ones digit _____. Even? _____

Step 2 Ones digit 0 or 5? _____

Step 3 3 + 5 = _____. Does 3 divide it? _____

YOUR TURN

use the steps on your own

6. Which of 2, 3, and 5 divide each number? Write all that work.

a. 30 _____ **b.** 27 _____ **c.** 50 _____

d. 18 _____ **e.** 25 _____ **f.** 33 _____

READY CHECK

a problem like the one in today's lesson

7. Which list shows all the factors of 45?

A 1, 3, 5, 9, 15, 45 **B** 1, 5, 9, 45

C 3, 5, 9, 15 **D** 1, 3, 5, 15, 45

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____