

NAME

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1 Complete the chart.

1			
	a List all the factors	b List two multiples	C Write P if the
	of the number.	of the number.	number is <mark>prime</mark> or
	factors are the	multiples are the	C if the number is
	numbers multiplied	multiplication equation	composite.
12	1234612	12 24 36, 48	C Factors than land itself
5	1,5	20,35	P Because the only factor.

2 Write a prime number in the space below and tell how you know it is prime.

I know 7 is a prime number because it has only two factors which are I and itself.

Write a composite number in the space below and tell how you know it is composite.

Let is a composite number because there are more factors than I and itself. 2 and 3 are also factors of 6.

4 The equation $5 \times 7 = 35$ can mean:

- O 35 rulers are 5 rulers and 7 rulers put together 35=5+7=100
- 35 pencils are 7 times as many as the 5 pencils at the green table.
- 35 markers are 5 markers less than 7 markers. 35 = 7 5 = 10
- 5 erasers split into 7 groups is 35 erasers. 5 = 10

Fill in the bubbles beside the two equations that best represent this situation: Marcus has 15 matchbox cars. That is 3 times as many as his brother Craig has. How many matchbox cars does Craig have? (In the equations below, *m* stands for Craig's matchbox cars.)

- 15 = 3 × m 15 is 3 times as many as Craig
- $0 15 \times 3 = m$ 15 + 1 = 3 = 15 15 + 1 = 3 = 15 15 + 2 = m 15 + 1 = 3 = 15 15 + 2 = m 15 + 1 = 3 = m
- 0 15 3 = m 15 3 = m
- 15 ÷ m = 3 15 cars divided into the group Craigha (continued on next page)

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Write and solve a multiplication equation for each of these problems.

Session 3 class set, plus 1 copy for display

Eric is 11 years old. Eric's dad is 3 times older than Eric. How old is Eric's dad? D=3×11 Erics dad is 33 years of

Amber bought a pair of pants and a pair of shoes. The shoes cost 3 times as much as the pants. The pants cost \$15. How much did the shoes cost?

S= 3×15 The shoes cost \$45

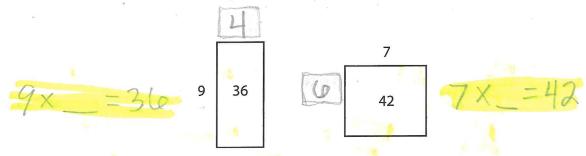
Jamal bought a book and a CD. The book cost \$14. The CD cost \$7. How many times more than the CD did the book cost?

2x7=14 The book cost 2 times more than the CD MX7=H

Fill in the blanks to complete this ratio table.

Number of Studen	ts	Number of Folders
1	Managements Managements	6
2	essential in the second	12 (10×2)
4	Napiero Validados	24 (Lex4)
5	ggoese nacety of National Assessment	30 (1075)
(60:6) 10		60
11		66 (10×11)

Find and write in the missing dimension on each of the rectangles below.



Fill in the blanks.

a 50 200

 $= 90 4 \times 20 = \frac{60}{1000} 7 \times \frac{40}{1000} = 28$ (continued on next page)

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- 10 Solve each of the story problems below. Show your thinking with numbers, sketches, or words. Then write an equation that represents your work, and record the answer, labeled with the correct units.
 - Each of the 4 students at the red table has 8 markers. The class has 5 times as many markers as the entire red table. How many markers total does the whole P8x4=32 markers at the red table C=5x32

Abby saw 3 rows of crayons in her 24-count crayon box. How many crayons are in each row? +5 = 24 3x = 24

24-3-8

24:3=8
There are 8 crayons in each row
Answer labeled with correct units

11 The green table has 5 students and each student brought 6 folders. The red table group has 6 students and each student brought 8 folders. How many folders do both groups have together?

Solve the problem above. Show your thinking with numbers, sketches, or words. You do not need to write an equation for this problem.

79=5×6 r=Lox8 => (5x6) + (40x8) Both groups have => 30 + 48 = 78 78 folders

- Which equation best represents this story problem? (f stands for the number of folders both groups have together)
- $(5 \times 6) + (6 \times 8) = f$

- \bigcirc 5+6+6+8=f
- $\bigcirc [(5 \times 6) + (6 \times 8)] \div 11 = f$
- $(6 \times 8) (5 \times 6) = f$

Unit 1 Pre-Assessment Student Reflection Sheet

Skill	Look at these problems.	I can do this well already.	I can do this sometimes.	I need to learn to do this.	Notes	2.0
Can you name all the factors for a number?	Ta .					
Can you list two multiples for a number?	15					
Can you tell whether a number is prime or composite and explain how you know?	1c, 2, 3					
Do you understand what the equation $5 \times 7 = 35$ means?	4					
Can you solve a multiplication or division story problem by writing an equation that best represents the problem and then solving that equation? Can you show all of your work?	5, 6a, 6b, 6c, 10a, 10b, 11b					anga# Anton
Can you multiply and divide to fill in the blanks on a ratio table?	7	2				
If you know the area and one dimension of a rectangle, can you use that information to find the other dimension?	· ο					# 4 ************************************
Can you multiply and divide to fill in the missing numbers in multiplication combinations?	9a, 9b					
Can you solve a story problem that requires more than one step and more than one operation?	11a					

After you have made a mark and some notes about the skills above, draw a star next to the two skills that you need to work on the most during this unit.