

# **MATHEMATICS 502**

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### I. Part One

### **Objectives**

To multiply by a two-digit number
To learn about improper fractions and mixed numbers
To simplify fractions

Multiples are the products of multiplication facts.

1.1	Write the multiples of 5 and 9.	Begin with 0.
1.1	Write the maniples of 5 and 5.	Degin with o.

## 1.2 Write a multiplication fact for each product.

a.

b.

## 1.3 Write the largest multiple ...

a. of 6 that is less than ... 49 \_\_\_\_\_ 20 \_\_\_\_ 37 \_\_\_\_ 59 \_\_\_\_

b. of 8 that is less than ... 69 \_\_\_\_\_ 47 \_\_\_\_ 51 \_\_\_\_ 22 \_\_\_\_

c. of 4 that is less than ... 15 \_\_\_\_\_ 38 \_\_\_\_ 21 \_\_\_ 35 \_\_\_\_

## 1.4 Circle the correct answer.

a. 3 x 8 ( > , < ) 25 6 x 6 ( > , < ) 35 4 x 4 ( > , < ) 14

c.  $3 \times 7$  ( > , < ) 28  $5 \times 4$  ( > , < ) 24  $9 \times 7$  ( > , < ) 64

We can solve multiplication problems with two-digit multipliers.

Multiply two small problems. Add the answers.

			58
		X	36
		3	48
+	1	7	<u>40</u>
	2	, O	88

Ę	58
	6
<b>3</b> 4	ŧδ
Ę	58
	3
17	4
	x 34

Multiply 58 by 6 ones.

Write a zero (0) place holder in ones' place below the 8.

Multiply 58 by 3 tens. Total the products.

1.5 Follow the steps. Solve the problem.

Multiply 436 by 7 ones.

Write the answer in the problem.

+

Write a zero (0) place holder. Multiply 436 by 2 tens.

Write the answer in the problem.

Add.

1.6 Multiply.

a.

34

c. 213 x 35

## 1.7 Multiply.

Have you learned your facts?

87

x 6

a.

С.

d.

e.

Fractions show a relationship between two numbers.

When the numerator is less than the denominator, the fraction is less than one whole.

This is a **proper fraction**.

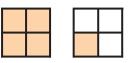


When the numerator and denominator are the same number, the fraction is *equal to* one whole. This is an improper fraction.



When the numerator is greater than the denominator, the fraction is more than one whole.

This is an improper fraction.



<u>5</u>

A whole number may be written with a proper fraction. This is a mixed number.





 $1\frac{1}{4}$ 

1.8 Describe each number as ...

a. proper fraction b. improper fraction c. mixed number

1.9 Shade the part of the illustration that represents the fraction.

a.  $\frac{2}{3}$ 





10





b.

