

MATHEMATICS 407

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I. PART ONE

Learn Box

I can multiply to 10's by 2 digits.
I can simplify improper fractions.
I can read number sentences.

25

1.1	A prime number can	be divid	ed only	by 1 an	d itself.		
	Circle the prime numb	ers. Ren	nember	1 is not	t a prim	e numb	er.
	• 7	5	8	12	13	18	23
		5	J	14	13	10	23

1.2	A composite number can be o	livided by 1, itself, and other numbers.
	Circle the composite numbers.	Remember 1 is not a composite number.

7	13	15	22	27	30	31

1.3	Factors are numbers that when multiplied together produce a
	given number.
	Write all of the factors of these numbers.

4	 8	
10	16	

1.4 **Multiples** are the products of given factors. Write five multiples of each number.

2	 5	
7	٥	

1.5 Find the product of the given factors. An example, if needed, is on the next page.

Multiply from right to left.

If the answer has two digits, write one digit and carry the other.

The multiplication problems on page 1 had one-digit multipliers.



We solve multiplication problems with two-digit multipliers by working two smaller problems. Then, we add the answers together.

- 1. Multiply 54 by 7 ones.
- 2. Put a 0 place holder in the ones' place below the 8.
- 3. Multiply 54 by 3 tens.
- 4. Total the products.
- 1.6 Follow the steps to solve these problems.

- 1. Multiply 78 by 3 ones.
- Put a 0 place holder in the ones' place below the _____.
- 3. Multiply 78 by 6 tens.
- 4. Total the products.

- 1. Multiply 54 by _____ ones.
- Put a _____ place holder in the ones' place below the _____.
- 3. Multiply 54 by _____ tens.
- 4. Total the products.

1.7 Multiply by a 2-digit number. Follow the steps.

a.

b.

1.8 Review the steps for division by a 1-digit number. Solve.



- Divide from left to right.
 Find a multiple of 8 smaller than 33.
- 2. Multiply.
- 3. Subtract.

Proper fractions have smaller numerators than denominators. They are smaller than a whole number.



Improper fractions have larger numerators than denominators. They are larger $\frac{5}{4} > 1$ than a whole number.





Mixed numbers are written number and a fraction. They are larger $1\frac{1}{4} > 1$ Mixed numbers are written with a whole



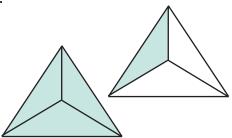


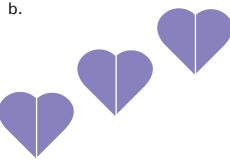
We can use the same illustrations to show

the improper fraction $\frac{5}{4}$ = the mixed number $1\frac{1}{4}$.

1.9 Write each one of the following as 1) an improper fraction and 2) as a whole number or mixed number.

a.

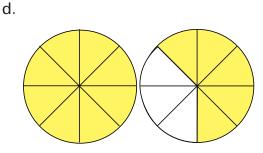




1) _____ 2) ____

C.

2) ____



1) _____ 2) ____

1) _____ 2) ____