



TV

MATHEMATICS 504

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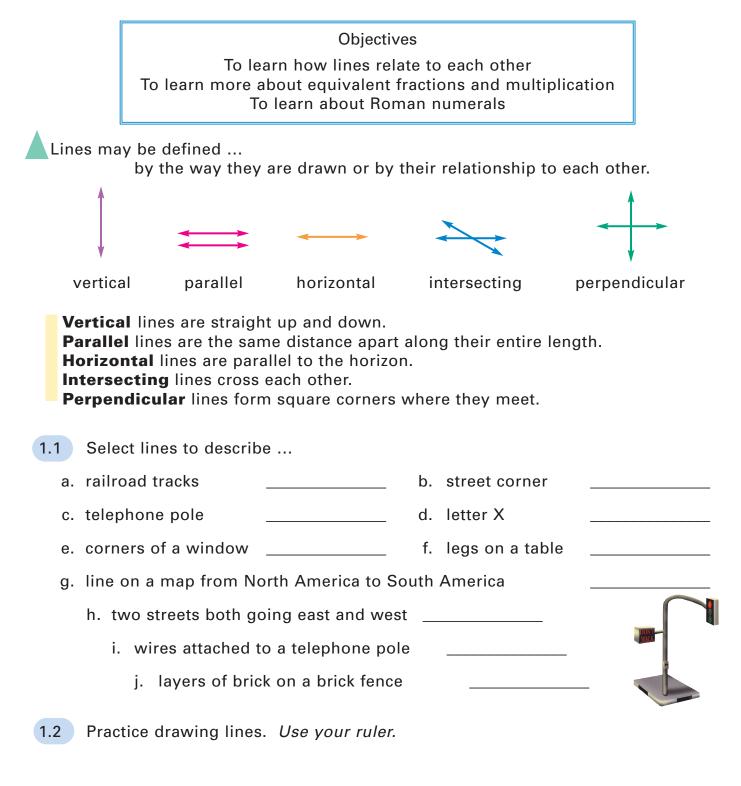
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I. Part One



There may be a zero in the multiplier in multiplication problems.

	5,371 × 40	Multiply 5,371 by 0 ones. Write a zero place holder.	5,371 x 0 = 0000	
	0 000 214 840 214,840	Multiply 5,371 by 4 tens. Add.	5,371 x 4 = 21,484	
1.3	Multiply.			
	3,467	2,931	9,263	4,830
	x 50	× 60	x 80	x 20

Write factors for prime numbers. 1.4 7 _____, _____ 13 _____, _____ 3 _____, _____ 1.5 Write factors for composite numbers. 6 _____, ____, ____, ____ 8 _____/ _____/ _____/ _____/ _____/ 9 _____ 12 _____ 12 _____ (_____ (_____) ____) 24 _____, ___, ___, ____, Reduce proper fractions to lowest terms. 1.6 Divide the numerator and denominator by the greatest common factor. $\frac{3}{9} = \frac{6}{8} = \frac{9}{12} = \frac{9}{15} = \frac{8}{16} = \frac{6}{24} =$

1.7 Simplify improper fractions. Divide the denominator into the numerator.

 $\frac{14}{9} = \frac{7}{3} = \frac{15}{15} = \frac{11}{5} = \frac{20}{13} = \frac{9}{5} =$

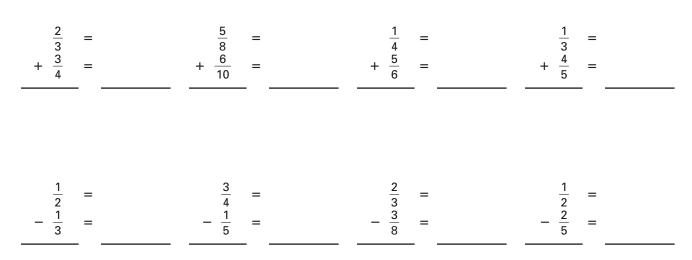
sir	write equivalent fractions when we nplify a fraction or reduce it to lowest terms. Ind the lowest common denominator and write the new	v nun	nerator.	
1.8	Follow the steps to find a common denominator for	$\frac{2}{6}$ and	$1\frac{3}{8}$.	
a.	Write five multiples of 6			$+\frac{2}{6}$
	Write five multiples of 8	<u> </u>		
	Write the smallest multiple that they have in commo	on		?
	Write the common denominator for the problem.			-
b.	Change $\frac{2}{6}$ to an equivalent fraction. Follow the steps. Divide. Multiply. Write.			
	Divide into The answer is	·		
	Multiply x The answer is	•		
	Write as the new numerator.			$=\frac{8}{24}$
C.	Change $\frac{3}{8}$ to an equivalent fraction. Follow the steps. Divide. Multiply. Write.		+ 3/8 =	$= \frac{\frac{9}{24}}{\frac{17}{24}}$
	Divide into The answer is	·		
	Multiply x The answer is			
	Write as the new numerator.			
1.9	Follow the steps. Find equivalent fractions. Add or	subtr	act.	
	$\frac{1}{6} = \frac{3}{8} = \frac{5}{6} =$			$\frac{4}{9}$ =

$+ \frac{2}{9} =$	$+ \frac{5}{12} =$	$-\frac{4}{15} =$	$-\frac{5}{12} =$
6	8	6	9

Answers may need to be simplified or reduced to lowest terms.

$$\frac{\frac{5}{8}}{+\frac{2}{3}} = \frac{\frac{15}{24}}{\frac{16}{24}}$$
Find the common denominator.
Write the new numerators.
Add or subtract.
Simplify or reduce to lowest terms.

1.10 Add or subtract. Simplify answers or reduce to lowest terms.





- a. Jolyn had three feet of ribbon. She gave her sister fourteen inches of the ribbon. How much ribbon does she have now?
- b. Ben had planned to meet his friend Joe at 1:30 P.M. The clock showed 10:15 A.M. How much time before Ben is to meet Joe?
- c. Katie was boiling eggs for egg salad. What temperature did she need to heat the water so that she could boil the eggs?
- Mark was measuring the water in a pitcher.
 He filled 10 cups. How many quarts did
 Mark have? How many pints left over? quart

