

Name: Key MATH PRACTICE

7-110. Jeanine earns \$5.00 an hour babysitting her neighbor's three children.

a) How much will Jeanine earn if she starts at 7:30 p.m. and ends at 12:30 a.m.?  
5 hours

she would earn \$25. +1

b) How much will she earn if she starts at 10:30 a.m. and ends at 2:00 p.m.?  
3.5 hours

she would earn \$17.50. +1

c) One day, Jeanine earned \$37.50. How many hours did she work?

she worked 7.5 hours. +1

\$	Hr.
2.50	1/2
5	1
10	2
15	3
20	4
25	5
30	6
35	7
40	8

Handwritten calculations:  
 $2 \overline{) 5.0} = 2.50$   
 $5 \overline{) 37.50} = 7.5$   
 $2 \overline{) 17.5} = 8.75$

7-89. Kate has five sandwiches to share with three of her friends. If each person gets the same amount of sandwich, how much will each person get? Write your answer as a fraction, mixed number and decimal.

$5 \div 4 = \frac{5}{4} = 1 \frac{1}{4} = 1.25$

Each person gets  $1 \frac{1}{4}$  sandwiches.

7-88. A rectangle has a width of 5 units and a length of 7 units. The rectangle is enlarged by a constant ratio so that the new length is 17.5 units.

a) How many times larger is the new length?

$7 \times 2.5 = 17.5$

$7 \overline{) 17.5} = 2.5$   
It is 2.5 times larger.

b) What is the width of the larger rectangle?

$2 \overline{) 12.5} = 6.25$

The new width is 12.5 units.

7-90. Find the area and perimeter of each figure below.

a)  $P = 40.4$   
 $A = 282.8 \text{ cm}^2$

$P = 28$   
 $A = 40$

b)  $P = 51 \text{ in}$   
 $A = 88.55 \text{ in}^2$

$\frac{1}{2} \times 23 \times 7.7 = 88.55$

$\frac{1}{2} \times 17.1 \times 2 = 17.1$

7-99 Solve each of the following.

a)  $\frac{3}{7} \div \frac{2}{5} = \frac{15}{14} = 1 \frac{1}{14}$

$\frac{3}{7} \times \frac{5}{2} = \frac{15}{14} = 1 \frac{1}{14}$

b)  $1 \frac{2}{3} \cdot \frac{9}{10}$

$\frac{5}{3} \cdot \frac{9}{10} = \frac{45}{30} = \frac{15}{10} = 1 \frac{1}{2}$

c) PEMDAS  
 $45 - 2(6 + 4 \cdot 3)$

$45 - 2(6 + 12)$   
 $45 - 2(18)$   
 $45 - 36$   
 $9$

d)  $(3.1)(0.02)$

$3.1 \downarrow$   
 $\times 0.02$   
 $0.062$