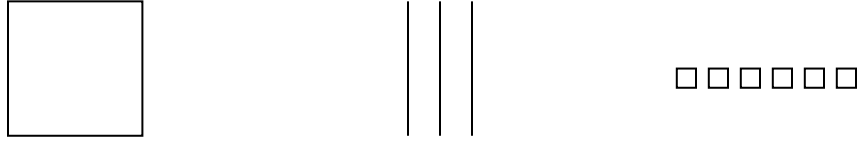


**3.5**

Use these base ten pieces that indicate 1.36 to show the use of the sharing method to complete the problem  $1.36 \div 4$ . Clearly show any decomposing that is necessary.



Number answer: \_\_\_\_\_

**3.6**

A student showed the following work for the problem  $280 \div 35$ :

Use this same method to do the problem  $270 \div 45$ .

$$\begin{array}{r}
 280 \\
 \underline{-70} \\
 210 \\
 \underline{-70} \\
 140 \\
 \underline{-70} \\
 70 \\
 \underline{-70} \\
 0
 \end{array}$$

So four 70s is eight 35s.

**3.7**

In each pair, choose the larger, using number sense rather than calculating.

$543 - 182$ , or  $543 - 185$

$543 - 182$ , or  $547 - 182$

**4.1**

Use drawings of base pieces to illustrate these problems. Specify which piece is used to represent one whole.

$$2.67 + 19.8$$

$$2.67 + 1.98$$

**5.1**

Using the bar, draw a strip diagram to represent 21 is 35% of some number,  $N$ . Do not find or write the value of  $N$ . Put enough detail in your diagram so that a young student could easily determine the value of  $N$ .

**5.2**

Show your thinking to estimate:

a) 23% of 87,922

b) the sale price of a chair originally priced \$151.33 with a “20% off” tag

**5.3**

Describe a possible referent for each of the following:

10 miles

100 miles

1000 miles

**5.4**

Rewrite this problem in scientific notation; multiply using scientific notation format; and write your answer in scientific notation.

$$230,000 \times 0.000000081$$

Answer: \_\_\_\_\_

**6.1**

Shown below is  $1\frac{3}{4}$  yards of carpet. Draw pictures to represent 1 yard of carpet and  $2\frac{1}{3}$  yards of carpet, respectively. If the piece of carpet shown sells for \$31.50, what is the cost of the carpet per yard?



1 yard:

$2\frac{1}{3}$  yards:

Cost of 1 yard of carpet: \_\_\_\_\_

**6.2**

Circle the larger number in each pair. Give a brief explanation of your thinking.

a)  $\frac{123}{240}$  and  $\frac{35}{70}$

b)  $\frac{91}{120}$  and  $\frac{59}{80}$

c)  $\frac{25}{101}$  and  $\frac{40}{159}$

**6.3**

Change each decimal to its simplified fraction equivalent. Show all steps of your work.

a) 0.042



b)  $0.\overline{36}$