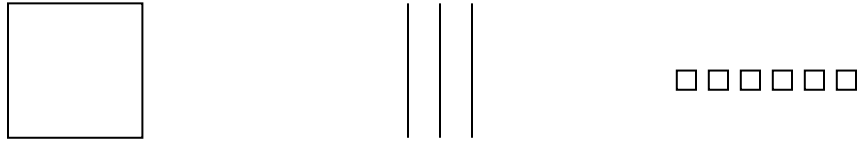


3.5

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

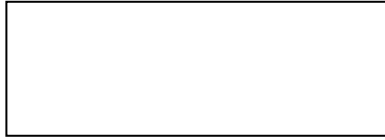
Rewrite this problem in scientific notation; multiply using scientific notation format; and write your answer in scientific notation.

$$230,000 \times 0.000000081$$

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) $0.\overline{36}$