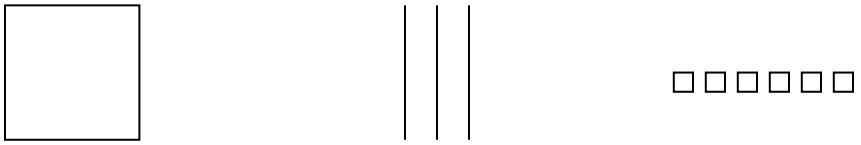
3.5

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



Number answer: _____

3.6

A student showed the following work for the problem 280 ÷ 35:
Use this same method to do the problem 270 ÷ 45.

280
-70
210
-70
140
-70
70
-70
0

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

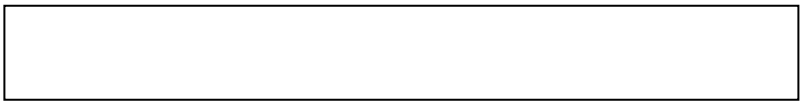
Use drawings of base pieces to illustrate these problems. Specify which piece is used to represent one whole.

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

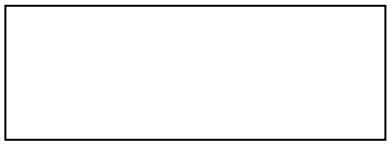
Rewrite this problem in scientific notation; multiply using scientific notation format; and write your answer in scientific notation.

$$230{,}000 \times 0.000000081$$

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 $\frac{40}{159}$