| 7 | _ |
|---------|----|
| • | _ |
| \cdot | •• |

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.

3.6

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

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.

| 4 | 4 |
|---|---|
| 4 | |
| | |

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

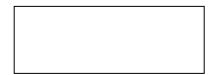
b) the sale price of a chair originally priced \$151.33 with a "20% off" tag

| 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. $230,\!000\times0.000000081$ |
| | |
| | |
| | |

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