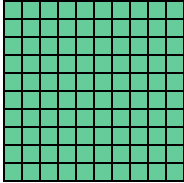
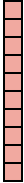


1.



flat

$\frac{1}{10}$



rod

$\frac{1}{100}$

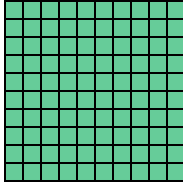


square

$\frac{1}{1,000}$

Fill in the values above.

2.



flat

1



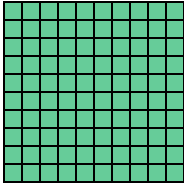
rod



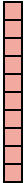
square

Fill in the values above.

3.



flat



rod

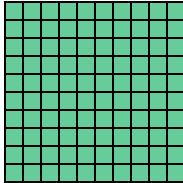
1



square

Fill in the values above.

4.



flat



rod

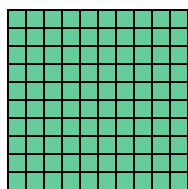


square

$\frac{1}{1,000}$

Fill in the values above.

1.



flat



rod



square

$$\frac{1}{10}$$

$$\frac{1}{100}$$

$$\frac{1}{1,000}$$

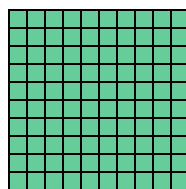
$$1 \text{ flat} + 1 \text{ rod} + 5 \text{ squares} = \frac{115}{1,000}$$

$$1 \times \frac{1}{10} = \frac{1}{10} = \frac{100}{1,000}$$

$$1 \times \frac{1}{100} = \frac{1}{100} = \frac{10}{1,000}$$

$$5 \times \frac{1}{1,000} = \frac{5}{1,000}$$

2.



flat



rod



square

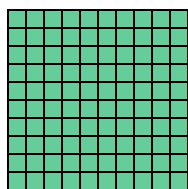
$$\frac{1}{10}$$

$$\frac{1}{100}$$

$$\frac{1}{1,000}$$

$$1 \text{ flat} + 1 \text{ rod} + 7 \text{ squares} = \underline{\hspace{2cm}}$$

3.



flat



rod



square

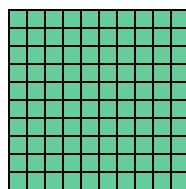
$$\frac{1}{10}$$

$$\frac{1}{100}$$

$$\frac{1}{1,000}$$

$$1 \text{ flat} + 2 \text{ rods} + 9 \text{ squares} = \underline{\hspace{2cm}}$$

4.



flat



rod



square

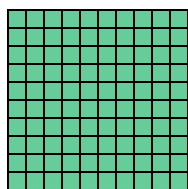
$$\frac{1}{10}$$

$$\frac{1}{100}$$

$$\frac{1}{1,000}$$

$$2 \text{ flats} + 3 \text{ rods} + 5 \text{ squares} = \underline{\hspace{2cm}}$$

1.



flat



rod



square

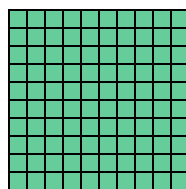
$\frac{1}{10}$

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$$6 \text{ flats} + 4 \text{ rods} + 19 \text{ squares} = \underline{\hspace{2cm}}$$

2.



flat



rod



square

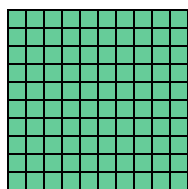
10

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$$2 \text{ flats} + 8 \text{ rods} + 17 \text{ squares} = \underline{\hspace{2cm}}$$

3.



flat



rod



square

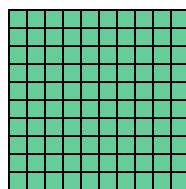
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$\frac{1}{10}$

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$$5 \text{ flats} + 9 \text{ rods} + 11 \text{ squares} = \underline{\hspace{2cm}}$$

4.



flat



rod



square

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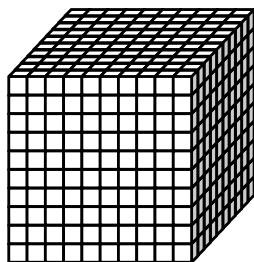
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$\frac{1}{1,000}$

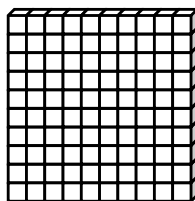
$$9 \text{ flats} + 9 \text{ rods} + 13 \text{ squares} = \underline{\hspace{2cm}}$$

For each question, explain your reasoning and use the large cube, the “flat,” the “rod,” and the small cube to think proportionally.

- a. The large cube has a value of 1. What is the value of the small cube?



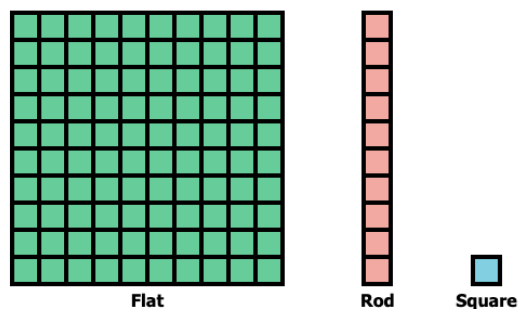
1



- b. What is the value of 10 small cubes, 9 rods, 9 flats, and 9 large cubes?

IF/THEN

Fill the blanks and the empty cells to correctly complete the table below.
Some of the information is mixed up. Be sure to read carefully!



If:		Then:	
1 flat =	1	4 flats + 6 rods + 8 squares =	4 68/100
1 rod =	1/10	___ flats + ___ rods + ___ square =	7 51/100
1 square =	1/100	2 flats + 9 rods + 3 squares =	
1 flat =	1/10	___ rods + ___ squares + ___ flats =	748/1000
1 rod =	1/100	5 squares + 3 flats + 1 rods =	
1 square =	1/1000	___ rods + ___ flat + ___ squares =	269/1000
1 flat =	10	6 flats + 3 rods + 2 squares =	
1 rod =	___	___ flats + ___ rods + ___ squares =	47 9/10