

SOL Standard 6.8: The student will **solve multi-step** consumer **application problems involving** fractions and **decimals** and present data and conclusions in paragraphs, tables, or graphs. Planning a budget will be included.

Division

Division is the operation that divides numbers into equal groups.

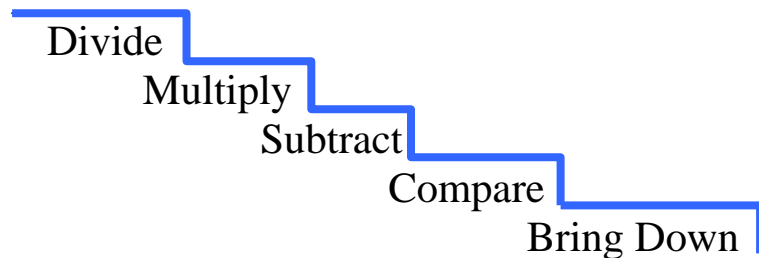
Dividend = the number of things to be divided

Divisor = the number of things in each group

Quotient = the answer that shows how many groups

Remainder = anything left over that won't fit into equal groups.

Steps in division:



Dirty	Monkeys	Smell	Completely	Bad
I	U	U	O	R
V	L	B	M	I
I	T	T	P	N
D	I	R	A	G
E	P	A	R	
	L	C	E	D
	Y	T		O
				W
				N

4-03-04 Dividing with Decimals

I have fifty-three cards and I want to put six cards in each group. How many groups can I make?

$$\begin{array}{r} \text{x} \quad 8.5 \\ 6 \overline{) 51.0} \\ \underline{- 48} \quad \downarrow \\ 30 \\ \underline{- 30} \\ 0 \end{array}$$

Practice problems:

$$19 \overline{) 11.4}$$

$$31 \overline{) 336.75}$$

$$1.3 \overline{) 0.0338}$$

$$3.4 \overline{) 0.16728}$$