$\frac{2}{3}$

$$3\overline{)2.000}\quad .666$$
$$-18\downarrow$$
$$20$$
$$-18\downarrow$$
$$20$$
$$-18$$
$$2$$

$\frac{3}{10} = .3$ (3 in the tenth place)

$$10\overline{)3.0}\quad .3$$
$$-30$$
$$0$$

$\overline{6}$

$.6$

Module 1 Lesson 1

I can determine if numbers are divisible by 2, 3, 4, 5, 6, 9

Divisibility

When dividing a number and there is no remainder OR a decimal

Divisibility Rules

Is it divisible by?	Trick
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Divisibility Rules

Is it divisible by?	Trick
1	~~All numbers are divisible by 1~~
2	Ends in an even number (0, 2, 4, 6, 8)
3	Sum of digits ÷ 3
4	Numbers formed by the last 2 digits ÷ 4
5	Ends in a 5 or 0
6	Rule 2 and 3 work
7	~~Divide using the algorithm~~
8	Number formed by the last 3 digits ÷ 8
9	Sum of the digits ÷ 9
10	Ends in a 0

All numbers

No good trick

4+2+6=12

426-y

28÷4=7

428-y

426-2y

-3y

1164

426-no

Practice

Number	Divisible by:
Example: 10	2 ~~3~~ ~~4~~ 5 ~~6~~ ~~8~~ ~~9~~ 10
15	2 3 4 5 6 8 9 10
27	2 3 4 5 6 8 9 10
36	2 3 4 5 6 8 9 10
16	2 3 4 5 6 8 9 10
28	2 3 4 5 6 8 9 10
57	2 3 4 5 6 8 9 10
102	2 3 4 5 6 8 9 10
268	2 3 4 5 6 8 9 10
4518	2 3 ~~4~~ 5 6 8 9 10