



MULTIPLICATION TABLES

TABLE 1	
1 X 1 =	1
1 X 2 =	2
1 X 3 =	3
1 X 4 =	4
1 X 5 =	5
1 X 6 =	6
1 X 7 =	7
1 X 8 =	8
1 X 9 =	9
1 X 10 =	10

TABLE 2	
2 X 1 =	2
2 X 2 =	4
2 X 3 =	6
2 X 4 =	8
2 X 5 =	10
2 X 6 =	12
2 X 7 =	14
2 X 8 =	16
2 X 9 =	18
2 X 10 =	20

TABLE 3	
3 X 1 =	3
3 X 2 =	6
3 X 3 =	9
3 X 4 =	12
3 X 5 =	15
3 X 6 =	18
3 X 7 =	21
3 X 8 =	24
3 X 9 =	27
3 X 10 =	30

TABLE 4	
4 X 1 =	4
4 X 2 =	8
4 X 3 =	12
4 X 4 =	16
4 X 5 =	20
4 X 6 =	24
4 X 7 =	28
4 X 8 =	32
4 X 9 =	36
4 X 10 =	40

TABLE 5	
5 X 1 =	5
5 X 2 =	10
5 X 3 =	15
5 X 4 =	20
5 X 5 =	25
5 X 6 =	30
5 X 7 =	35
5 X 8 =	40
5 X 9 =	45
5 X 10 =	50

TABLE 6	
6 X 1 =	6
6 X 2 =	12
6 X 3 =	18
6 X 4 =	24
6 X 5 =	30
6 X 6 =	36
6 X 7 =	42
6 X 8 =	48
6 X 9 =	54
6 X 10 =	60

TABLE 7	
7 X 1 =	7
7 X 2 =	14
7 X 3 =	21
7 X 4 =	28
7 X 5 =	35
7 X 6 =	42
7 X 7 =	49
7 X 8 =	56
7 X 9 =	63
7 X 10 =	70

TABLE 8	
8 X 1 =	8
8 X 2 =	16
8 X 3 =	24
8 X 4 =	32
8 X 5 =	40
8 X 6 =	48
8 X 7 =	56
8 X 8 =	64
8 X 9 =	72
8 X 10 =	80

TABLE 9	
9 X 1 =	9
9 X 2 =	18
9 X 3 =	27
9 X 4 =	36
9 X 5 =	45
9 X 6 =	54
9 X 7 =	63
9 X 8 =	72
9 X 9 =	81
9 X 10 =	90

TABLE 10	
10 X 1 =	10
10 X 2 =	20
10 X 3 =	30
10 X 4 =	40
10 X 5 =	50
10 X 6 =	60
10 X 7 =	70
10 X 8 =	80
10 X 9 =	90
10 X 10 =	100

TABLE 11	
11 X 1 =	11
11 X 2 =	22
11 X 3 =	33
11 X 4 =	44
11 X 5 =	55
11 X 6 =	66
11 X 7 =	77
11 X 8 =	88
11 X 9 =	99
11 X 10 =	110

TABLE 12	
12 X 1 =	12
12 X 2 =	24
12 X 3 =	36
12 X 4 =	48
12 X 5 =	60
12 X 6 =	72
12 X 7 =	84
12 X 8 =	96
12 X 9 =	108
12 X 10 =	120

TABLE 13	
13 X 1 =	13
13 X 2 =	26
13 X 3 =	39
13 X 4 =	52
13 X 5 =	65
13 X 6 =	78
13 X 7 =	91
13 X 8 =	104
13 X 9 =	117
13 X 10 =	130

TABLE 14	
14 X 1 =	14
14 X 2 =	28
14 X 3 =	42
14 X 4 =	56
14 X 5 =	70
14 X 6 =	84
14 X 7 =	98
14 X 8 =	112
14 X 9 =	126
14 X 10 =	140

TABLE 15	
15 X 1 =	15
15 X 2 =	30
15 X 3 =	45
15 X 4 =	60
15 X 5 =	75
15 X 6 =	90
15 X 7 =	105
15 X 8 =	120
15 X 9 =	135
15 X 10 =	150

TABLE 16	
16 X 1 =	16
16 X 2 =	32
16 X 3 =	48
16 X 4 =	64
16 X 5 =	80
16 X 6 =	96
16 X 7 =	112
16 X 8 =	128
16 X 9 =	144
16 X 10 =	160

TABLE 17	
17 X 1 =	17
17 X 2 =	34
17 X 3 =	51
17 X 4 =	68
17 X 5 =	85
17 X 6 =	102
17 X 7 =	119
17 X 8 =	136
17 X 9 =	153
17 X 10 =	170

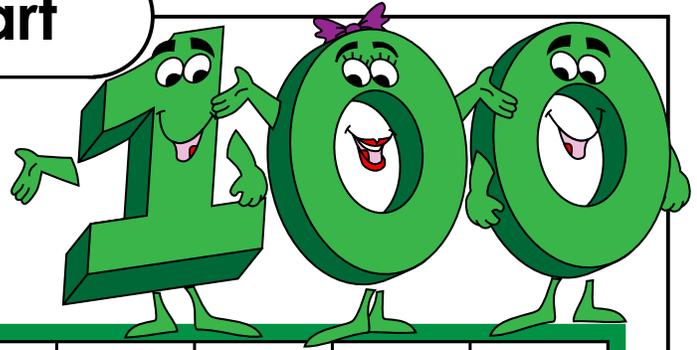
TABLE 18	
18 X 1 =	18
18 X 2 =	36
18 X 3 =	54
18 X 4 =	72
18 X 5 =	90
18 X 6 =	108
18 X 7 =	126
18 X 8 =	144
18 X 9 =	162
18 X 10 =	180

TABLE 19	
19 X 1 =	19
19 X 2 =	38
19 X 3 =	57
19 X 4 =	76
19 X 5 =	95
19 X 6 =	114
19 X 7 =	133
19 X 8 =	152
19 X 9 =	171
19 X 10 =	190

TABLE 20	
20 X 1 =	20
20 X 2 =	40
20 X 3 =	60
20 X 4 =	80
20 X 5 =	100
20 X 6 =	120
20 X 7 =	140
20 X 8 =	160
20 X 9 =	180
20 X 10 =	200

Name: _____

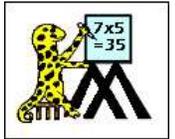
100 Chart



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Name

Date



PRIME NUMBERS TO 100

Prime numbers are numbers that are only divisible by themselves and by 1.

The first prime number is 2.

	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

There are 25 prime numbers between 1 and 100.

Name _____

Date _____

Place Value Chart: Millions

Directions: Write your numbers in the chart starting with the ones places and moving to the left to verify the place value of the digits.

Millions Period			Thousands Period			Ones Period		
Hundred Millions	Ten Millions	Millions,	Hundred Thousands	Ten Thousands	Thousands,	Hundreds	Tens	Ones

Rounding Rules

Rule 1

Round up

9

8

7

6

5

Rule 2

Round Down

4

3

2

1

0

FIRST IDENTIFY THE PLACE YOU ARE ROUNDING TO

1. **Add 1**
to the
underlined digit.

2. Now **ADD**.

3. Bring Down
all digits on the
LEFT.

4. **Cross Out** the **Circled Digit**
and **all numbers** to the **RIGHT**.
Make them a **0**

1. **Leave** the
underlined
Digit **the**
same.

2. **Bring Down**
all digits
on the **left**.

3. **Cross Out** the
CIRCLED
Number and
ALL Numbers
on the **RIGHT**.
Make them a **0**

Rounding Rules

Rule 1

Round Down

0

1

2

3

4

1. **FIRST IDENTIFY** the Place Value.
2. **Underline** the digit in that place.
3. **CIRCLE** the digit to the **RIGHT**. Write rule **1** on top of the circled digit.
4. **LEAVE** the Underlined Digit **the SAME**.
5. **Bring Down all** Numbers on the **left hand side**.
6. **CROSS OUT** the **CIRCLED Number** and **ALL NUMBERS** on the **RIGHT HAND** side and make them a **ZERO**.

Rounding Rules

Rule 2

Round Up

5

6

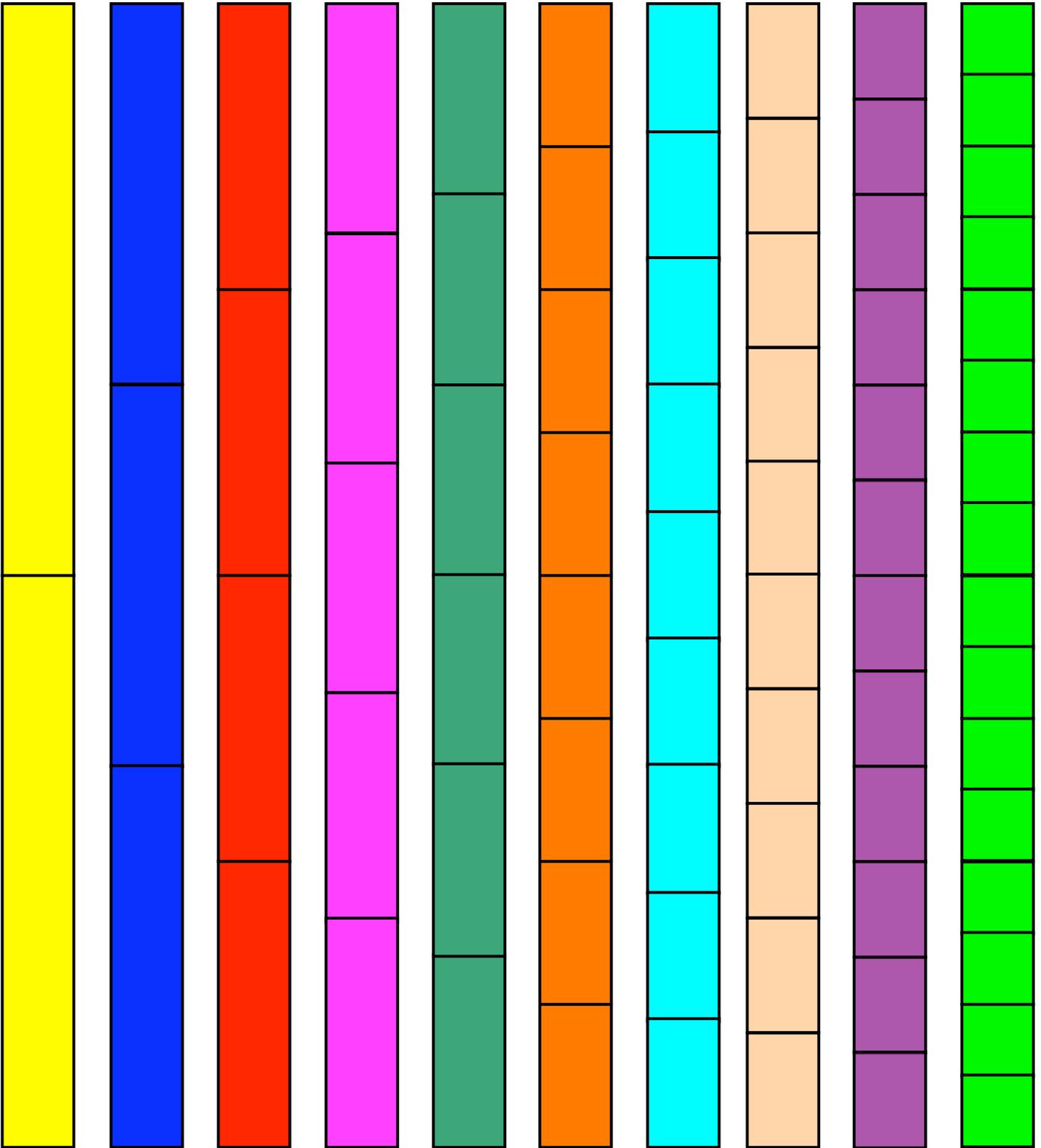
7

8

9

1. **FIRST IDENTIFY** the Place Value.
2. **Underline** the digit in that place.
3. **CIRCLE** the digit to the **RIGHT**. Write rule **2** on top of the circled digit.
4. **ADD 1** the Underlined Digit.
5. Now **ADD!**
6. **Bring Down all** Numbers on the **left hand side**.
7. **CROSS OUT** the **CIRCLED Number** and **ALL NUMBERS** on the **RIGHT HAND** side and make them a **ZERO**.







Name _____ Date _____

1

$\frac{1}{2}$	$\frac{1}{2}$
---------------	---------------

$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
---------------	---------------	---------------

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
---------------	---------------	---------------	---------------

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
---------------	---------------	---------------	---------------	---------------

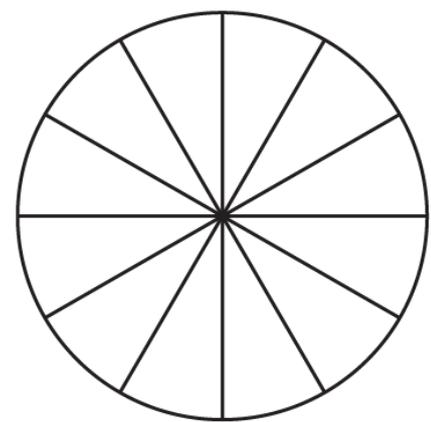
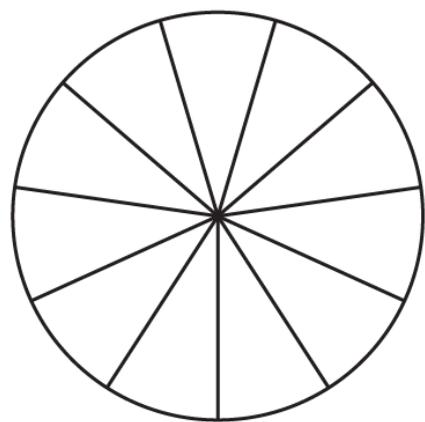
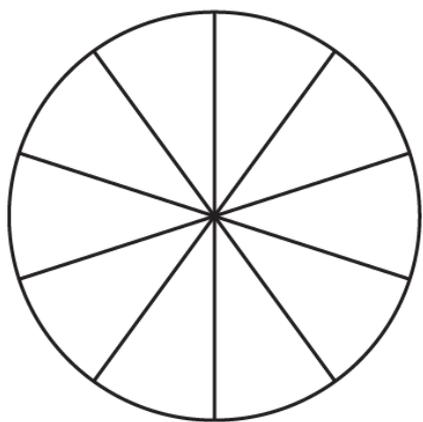
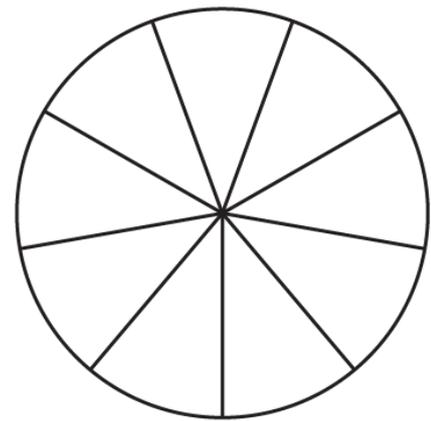
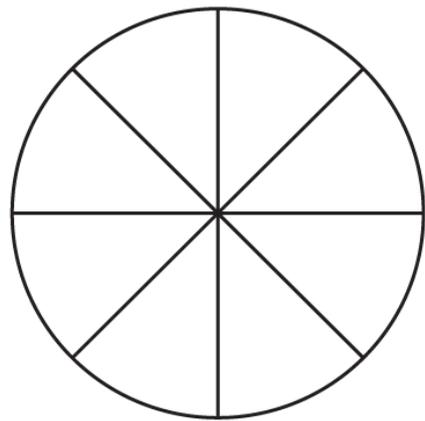
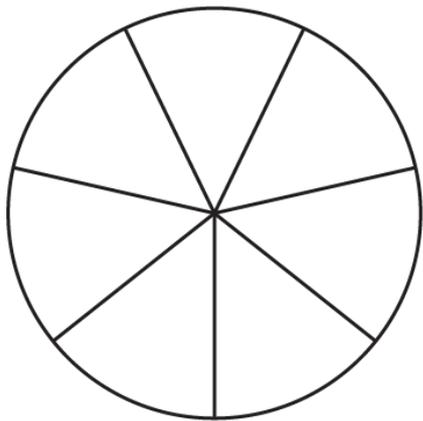
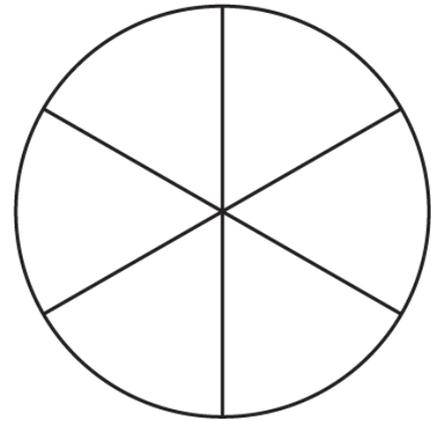
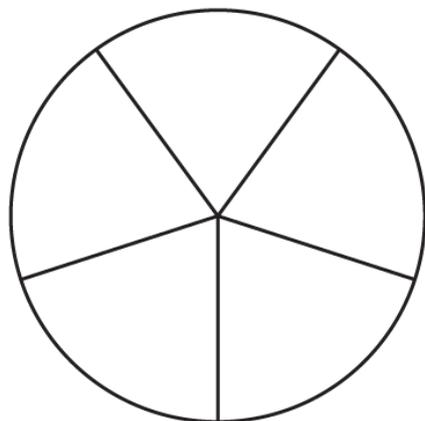
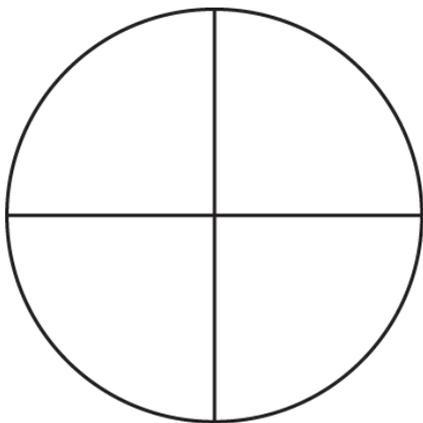
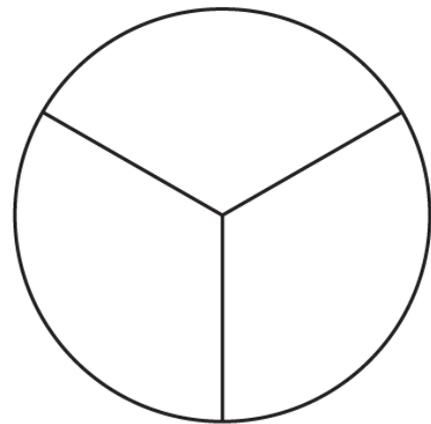
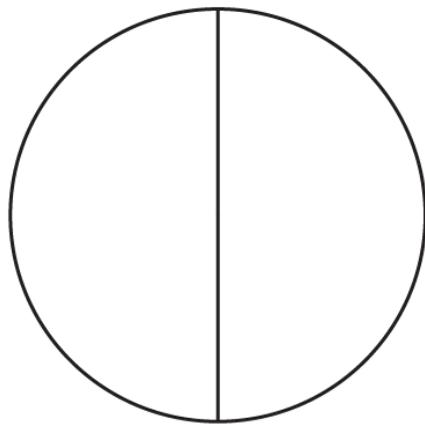
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
---------------	---------------	---------------	---------------	---------------	---------------

$\frac{1}{8}$							
---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------

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

$\frac{1}{12}$										
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Fraction Circles



Pie Monster Fraction Game Mat



The image shows a green pie monster with three pie slices on its back and a grey pie box with four pie slices on top. Below them is a row of six pie slices. Each pie slice is divided into four quadrants by a dashed horizontal line and a dashed vertical line.

HOW TO FIND EQUIVALENT FRACTIONS

Multiply

X

2

3

4

5

6

7

8

9

OR

Divide

--

2

3

4

5

6

7

8

9

$$\frac{2}{5} \div \frac{1}{4}$$

KEEP CHANGE FLIP

K C F

$$\frac{2}{5} \times \frac{4}{1} = \frac{8}{5}$$

Division Rules

Step 1 – **Yellow** ----- Bottom

Step 2 – **Orange** ----- Top Square

Step 3 – **Subtract** ----- (-)

Step 4 – **Bring Down New Number**
Using an Arrow - !

Step 5 - **Start Over** Go Back to Step **1**

Order of Operations

When you solve a math problem that has more than one operation (+, -, ×, ÷), you have to solve the operations in a particular order.

Parentheses $35 + 3 \times 5 - 2^3 \div (10 - 8)$

Exponents $35 + 3 \times 5 - 2^3 \div 2$

Multiplication $35 + 3 \times 5 - 8 \div 2$

Division $35 + 15 - 8 \div 2$

Perform all multiplication and division from left to right.

Addition $35 + 15 - 4$

Subtraction $50 - 4 = 46$

Perform all addition and subtraction from left to right

How To Find Volume

L X **W** X **H**

H First Row Only

**E
I
G
H
T**

WIDTH
**BOTTOM
ROW ONLY**

LENGTH

WIDTH

**BOTTOM
ROW ONLY**

Bottom Row Only

L X **W** X **H**

$$4 \times 2 \times 4 = 32$$

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