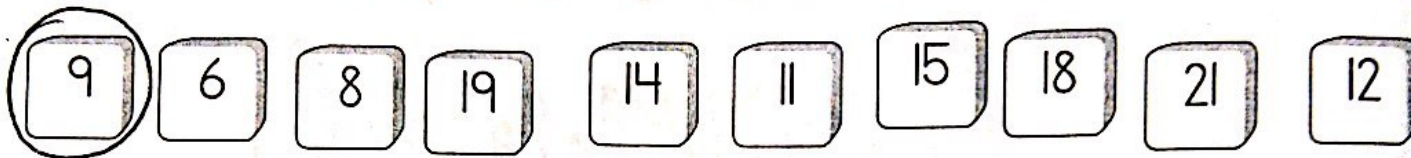# Multiples

Name: _____   Date: _____

Circle the numbers which are multiples of 3. (You should have 6 numbers circled)

(9) 6 8 19 14 11 15 18 21 12

Circle the numbers which are multiples of 4. (you should have 7 numbers circled)
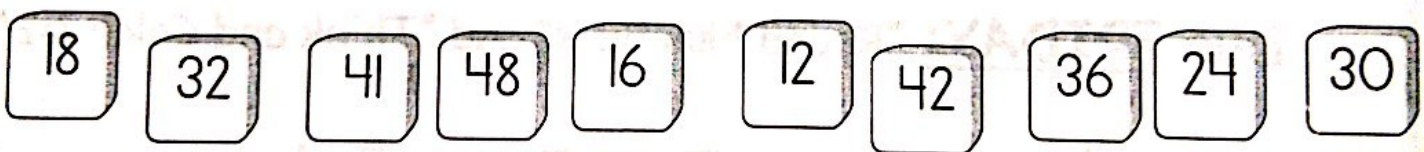
16 8 33 32 12 24 20 28 30 26
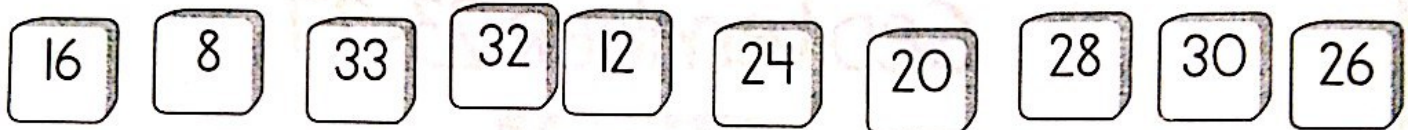
Circle the numbers which are multiples of 5. (you should have 7 numbers circled)
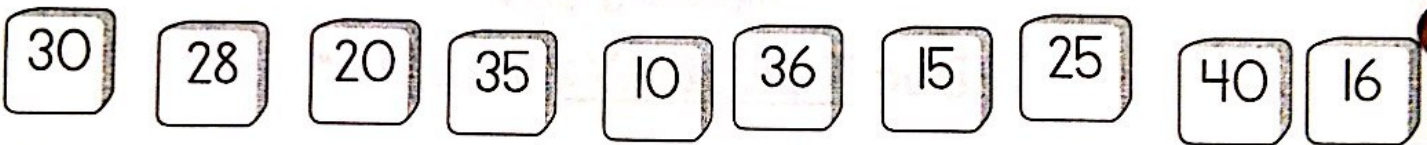
30 28 20 35 10 36 15 25 40 16

Circle the numbers which are multiples of 6.

18 32 41 48 16 12 42 36 24 30

Circle the numbers which are multiples of 8.

16 52 48 56 31 22 59 32 24 40

Circle the numbers which are multiples of 9.

71 74 29 36 27 45 63 54 72 18

Due Wednesday!
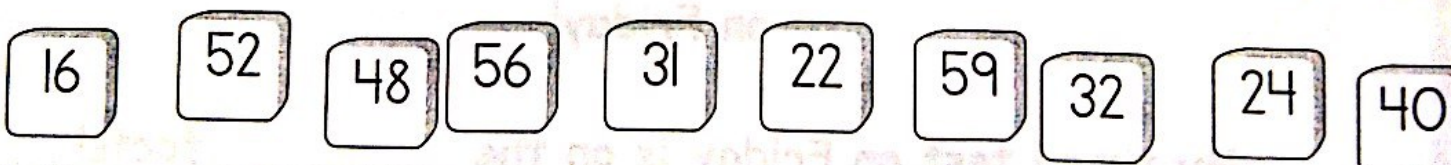
Prime and Composite Numbers

	Prime Numbers	Composite Numbers
	With 5 counters you can only make one array. ● ● ● ● ● 5 is a prime number because it has **only 2 factors**, itself and 1. $1 \times 5 = 5$ The factors for 5 are 1 and 5.	With 6 counters you can make more than one array. ● ● ● ● ● ● ● ● ● ● ● ● 6 is a composite number because it has **more than two factors**. $1 \times 6 = 6$ $2 \times 3 = 6$ The factors for 6 are 1, 2, 3 and 6.

In the table below, list the factors for each number. Use counters if you wish. Tell if the number is prime or composite.

	Number	Factors	Prime or Composite
Example: 1.	13	1, 13	Prime
Example: 2.	20	1, 2, 4, 5, 10, 20	Composite
3.	31		
4.	15		
5.	30		
6.	11		
7.	26		
8.	39		

Round Numbers

Round 1,352 to the nearest thousand.

Step 1 When you round a number, circle the digit you want to round to. Look at the digit to the right of the circled digit.

1,352　①,352
　　　　　↑

Step 2 Follow the rounding rule: if the digit to the right of the circled digit is less than 5, do not change the circled digit. If it is 5 or greater, increase the circled digit by 1.

1,352　①,352
　　　　　↑

3 < 5, so the 1 is not changed.

Step 3 Change all of the digits to the right of the circled digit to zeros.

1,000

Solution: 1,352 rounded to the nearest thousand is 1,000.

Round each number to the place of the underlined digit.

1. 32,667　　2. 2<u>0</u>0,001　　3. <u>7</u>9　　4. <u>7</u>50　　5. <u>4</u>5,000

33,000　　＿＿＿　　＿＿＿　　＿＿＿　　＿＿＿

6. 8<u>7</u>9　　7. 9<u>0</u>2　　8. 3,2<u>5</u>1　　9. <u>2</u>87　　10. 3<u>7</u>2,183

＿＿＿　　＿＿＿　　＿＿＿　　＿＿＿　　＿＿＿

11. <u>2</u>36　　12. <u>8</u>5　　13. 31<u>0</u>,555　　14. <u>3</u>45　　15. <u>5</u>50

＿＿＿　　＿＿＿　　＿＿＿　　＿＿＿　　＿＿＿

16. 1,2<u>4</u>9　　17. <u>1</u>25,051　　18. 3,<u>7</u>89　　19. 9<u>8</u>3,217　　20. <u>3</u>25

＿＿＿　　＿＿＿　　＿＿＿　　＿＿＿　　＿＿＿

Think and Color #2

To find out what is in this picture, follow these directions.

1. Color all the spaces with *multiples of 5* blue.
2. Color all the spaces with *multiples of 2* green.
3. Color all the spaces with *multiples of 3* dark brown.
4. Color all the spaces with *prime numbers* beige. (light brown)
5. Color all the spaces with *multiples of 7* yellow.

Hint: Blue
Hint: Light Brown
Hint: Dark Brown
Hint: Green
Hint: Yellow

What is it? _____