

Name: _____

Date: _____

Math 6- Greatest Common Factor (GCF) Notes

TERM	DEFINITION	EXAMPLE
Factor		
Greatest Common Factor (GCF)		

Find the GCF...

Method 1 - List the factors of each number

Factors of 14: _____

Factors of 28: _____

Circle the common factors.

What is the **greatest common factor**?

Try It!

Find the GCF of the following numbers by listing the factors of each.

1. 14:
20:

2. 16:
42:

3. 8:
18:

4. 24:
36:

5. 45:
30:

Name: Key

Date: _____

Math 6- Greatest Common Factor (GCF) Notes

TERM	DEFINITION	EXAMPLE
Factor	Numbers that create products	4: 1, 2, 4
Greatest Common Factor (GCF)	Highest factor of two numbers	GCF of 10 & 5 is 5.

Find the GCF...

Highest factor of two numbers.

Method 1 - List the factors of each number

Factors of 14: 1 2 7 14
 Factors of 28: 1 2 4 7 14 28

Circle the common factors.

What is the **greatest common factor**?

Try It!

Find the GCF of the following numbers by listing the factors of each.

- 14: 1, 2, 7, 14 2
 20: 1, 2, 4, 5, 10, 20
- 16: 1, 2, 4, 8, 16 2
 42: 1, 2, 3, 6, 7, 14, 21
- 8: 1, 2, 4, 8 2
 18: 1, 2, 3, 6, 9, 18
- 24: 1, 2, 3, 4, 6, 8, 12, 24 12
 36: 1, 2, 3, 4, 6, 9, 12, 18, 36
- 45: 1, 3, 5, 9, 15, 45
 30: 1, 2, 3, 5, 6, 10, 15, 30 15