

TIPS MATH–ELEMENTARY 5th Grade

Student's Name _____ Date _____

Determining Greatest Common Factor

Objective: Find, use, and apply greatest common factors of numbers

Dear Family Partner:

In math, we are _____. I hope you enjoy this activity with me. The assignment is due _____.

Sincerely,

Student's signature**I. LOOK THIS OVER:** Explain this example to your family partner.

Find the Greatest Common Factor, GCF:

24: 1, 2, 3, 4, 6, 8, 12 GCF=12

36: 1, 2, 3, 4, 6, 9, 12, 18

II. NOW, TRY THIS: Show your family partner how you do this example.

Find the GCF of:

42

38

III. PRACTICE SECTION: Complete these examples on your own. Show your work. Explain one example to your family partner.

Find the GCF:

1. 14 and 24

2. 15 and 40

3. 11 and 33

4. 16 and 48

More Practice Find the GCF of numerator/denominator and then reduce to simplest form.

5. $\frac{18}{36}$

6. $\frac{8}{12}$

7. $\frac{21}{36}$

8. $\frac{15}{35}$

LET'S FIND OUT Complete the following activity with your family partner. Take your age as the numerator and your family partners age as the denominator. Write this in fraction form. Find the GCF of the two numbers and reduce to simplest form.

Reduce with another family partner.

ANSWER TO "NOW, TRY THIS":

42: 1, 2, 3, 6, 7, 14, 21

GCF=2

38: 1, 2, 19

IV. HOME-TO-SCHOOL COMMUNICATION

Dear Parent,

Please give me your reactions to your child's work on this activity by checking one of the following:

- _____ 1. O.K. My child seems to understand this skill.
- _____ 2. PLEASE CHECK. My child needs some help on this, but seems to understand this skill.
- _____ 3. PLEASE HELP. My child still needs instruction on this skill.
- _____ 4. PLEASE NOTE (other comments). _____

Any other comments: _____

Parent signature _____