

Factors of a Number/GCF



- How would I use the following multiplication sentence to explain factors?

$$4 \times 6 = 24$$

- Can I think of other factors of 24?

If the factors of 24 are numbers I can multiply to get the product 24...

- How would I explain the factors of 24 using these division statements?

$$\boxed{24} \div \boxed{1} = 24$$

$$\boxed{24} \div \boxed{2} = 12$$

$$\boxed{24} \div \boxed{3} = 8$$

$$\boxed{24} \div \boxed{4} = 6$$

- How would I explain and demonstrate using multiplication to determine the factors of 18?
- How would I explain and demonstrate using division to determine the factors of 18?



- What are the common factors 18 and 24?
- What is the Greatest Common Factor (GCF) of 18 and 24?
- How would I explain using multiplication to determine the GCF of the terms in this fraction?
- How would I explain using division to determine the GCF of the terms in this fraction?
- What happens if I divide both terms of the fraction $\frac{12}{32}$ by the common factor 2?
- What happens if I divide both terms of the fraction $\frac{12}{32}$ by the GCF 4?

$$\frac{12}{32}$$

$$\frac{12}{32}$$

$$\frac{12}{32}$$

$$\frac{12}{32}$$

Factors of a Number/GCF

Which statements do I feel confident explaining and demonstrating?
Which statements do I not feel confident explaining and demonstrating?

- ✓ I would explain the phrase...
factors of a number
- ✓ I can explain how I use
multiplication to determine the
factors of a number
- ✓ I can explain how I use division to
determine the factors of a number
- ✓ I can explain and demonstrate how I
determine the Greatest Common
Factor (GCF) of two or more numbers