

Greatest Common Factors

Name: _____

Date: _____

Find Greatest Common Factor.

1) **4, 6, 10**

Factors of 4 = _____

Factors of 6 = _____

Factors of 10 = _____

GCF (4, 6, 10) = _____

2) **4, 16, 20**

Factors of 4 = _____

Factors of 16 = _____

Factors of 20 = _____

GCF (4, 16, 20) = _____

3) **10, 15, 20**

Factors of 10 = _____

Factors of 15 = _____

Factors of 20 = _____

GCF (10, 15, 20) = _____

4) **3, 6, 9**

Factors of 3 = _____

Factors of 6 = _____

Factors of 9 = _____

GCF (3, 6, 9) = _____

5) **4, 8, 12**

Factors of 4 = _____

Factors of 8 = _____

Factors of 12 = _____

GCF (4, 8, 12) = _____

6) **2, 8, 14**

Factors of 2 = _____

Factors of 8 = _____

Factors of 14 = _____

GCF (2, 8, 14) = _____

Greatest Common Factors

Name: _____

Date: _____

Find Greatest Common Factor.

1) **4, 6, 10**

$$\text{Factors of 4} = \underline{1, 2, 4}$$

$$\text{Factors of 6} = \underline{1, 2, 3, 6}$$

$$\text{Factors of 10} = \underline{1, 2, 5, 10}$$

$$\text{GCF (4, 6, 10)} = \underline{2}$$

2) **4, 16, 20**

$$\text{Factors of 4} = \underline{1, 2, 4}$$

$$\text{Factors of 16} = \underline{1, 2, 4, 8, 16}$$

$$\text{Factors of 20} = \underline{1, 2, 4, 5, 10, 20}$$

$$\text{GCF (4, 16, 20)} = \underline{4}$$

3) **10, 15, 20**

$$\text{Factors of 10} = \underline{1, 2, 5, 10}$$

$$\text{Factors of 15} = \underline{1, 3, 5, 15}$$

$$\text{Factors of 20} = \underline{1, 2, 4, 5, 10, 20}$$

$$\text{GCF (10, 15, 20)} = \underline{5}$$

4) **3, 6, 9**

$$\text{Factors of 3} = \underline{1, 3}$$

$$\text{Factors of 6} = \underline{1, 2, 3, 6}$$

$$\text{Factors of 9} = \underline{1, 3, 9}$$

$$\text{GCF (3, 6, 9)} = \underline{3}$$

5) **4, 8, 12**

$$\text{Factors of 4} = \underline{1, 2, 4}$$

$$\text{Factors of 8} = \underline{1, 2, 4, 8}$$

$$\text{Factors of 12} = \underline{1, 2, 3, 4, 6, 12}$$

$$\text{GCF (4, 8, 12)} = \underline{4}$$

6) **2, 8, 14**

$$\text{Factors of 2} = \underline{1, 2}$$

$$\text{Factors of 8} = \underline{1, 2, 4, 8}$$

$$\text{Factors of 14} = \underline{1, 2, 7, 14}$$

$$\text{GCF (2, 8, 14)} = \underline{2}$$