

Name : \_\_\_\_\_

## Greatest Common Factor

MS1

Find the greatest common factor for each pair of numbers.

1) 28, 12

Factors of 28 = \_\_\_\_\_

Factors of 12 = \_\_\_\_\_

GCF(28, 12) = \_\_\_\_\_

2) 90, 30

Factors of 90 = \_\_\_\_\_

Factors of 30 = \_\_\_\_\_

GCF(90, 30) = \_\_\_\_\_

3) 36, 54

Factors of 36 = \_\_\_\_\_

Factors of 54 = \_\_\_\_\_

GCF(36, 54) = \_\_\_\_\_

4) 26, 52

Factors of 26 = \_\_\_\_\_

Factors of 52 = \_\_\_\_\_

GCF(26, 52) = \_\_\_\_\_

5) 21, 27

Factors of 21 = \_\_\_\_\_

Factors of 27 = \_\_\_\_\_

GCF(21, 27) = \_\_\_\_\_

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## Answer key

MS1

### Greatest Common Factor

Find the greatest common factor for each pair of numbers.

1) 28, 12

$$\text{Factors of 28} = \underline{1, 2, 4, 7, 14, 28}$$

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

$$\text{GCF}(28, 12) = \underline{4}$$

2) 90, 30

$$\text{Factors of 90} = \underline{1, 2, 3, 5, 6, 9, 10, 15, 18, 30, 45, 90}$$

$$\text{Factors of 30} = \underline{1, 2, 3, 5, 6, 10, 15, 30}$$

$$\text{GCF}(90, 30) = \underline{30}$$

3) 36, 54

$$\text{Factors of 36} = \underline{1, 2, 3, 4, 6, 9, 12, 18, 36}$$

$$\text{Factors of 54} = \underline{1, 2, 3, 6, 9, 18, 27, 54}$$

$$\text{GCF}(36, 54) = \underline{18}$$

4) 26, 52

$$\text{Factors of 26} = \underline{1, 2, 13, 26}$$

$$\text{Factors of 52} = \underline{1, 2, 4, 13, 26, 52}$$

$$\text{GCF}(26, 52) = \underline{26}$$

5) 21, 27

$$\text{Factors of 21} = \underline{1, 3, 7, 21}$$

$$\text{Factors of 27} = \underline{1, 3, 9, 27}$$

$$\text{GCF}(21, 27) = \underline{3}$$