



GREATEST COMMON FACTOR SHEET 6A

For each problem below, write out the lists of factors to find the GCF.

1) Find the greatest common factor of 24, 36, and 42.

Factors of 24:

Factors of 36:

Factors of 42:

- $GCF(24, 36, 42) = \underline{\hspace{2cm}}$.

2) Find the greatest common factor of 44, 55, and 22.

Factors of 44:

Factors of 55:

Factors of 22:

- $GCF(44, 55, 22) = \underline{\hspace{2cm}}$.

3) Find the greatest common factor of 32, 56, and 48.

Factors of 32:

Factors of 56:

Factors of 48:

- $GCF(32, 56, 48) = \underline{\hspace{2cm}}$.

4) Find the greatest common factor of 75, 60, and 45.

Factors of 75:

Factors of 60:

Factors of 45:

- $GCF(60, 45, 75) = \underline{\hspace{2cm}}$.





GREATEST COMMON FACTOR SHEET 6A ANSWERS

1) Find the greatest common factor of 24, 36, and 42.

Factors of 24: 1, 2, 3, 4, 6, 8, 12, 24 Factors of 36: 1, 2, 3, 4, 6, 9, 12, 18, 36

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

- $GCF(24, 36, 42) = \underline{6}$

2) Find the greatest common factor of 44, 55, and 22.

Factors of 44: 1, 2, 4, 11, 22, 44 Factors of 55: 1, 5, 11, 55

Factors of 22: 1, 2, 11, 22

- $GCF(44, 55, 22) = \underline{11}$

3) Find the greatest common factor of 32, 56, and 48.

Factors of 32: 1, 2, 4, 8, 16, 32 Factors of 56: 1, 2, 4, 7, 8, 14, 28, 56

Factors of 48: 1, 2, 3, 4, 6, 8, 12, 16, 24, 48

- $GCF(32, 56, 48) = \underline{8}$

4) Find the greatest common factor of 75, 60, and 45.

Factors of 75: 1, 3, 5, 15, 25, 75 Factors of 60: 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60

Factors of 45: 1, 3, 5, 9, 15, 45

- $GCF(60, 45, 75) = \underline{15}$