

Can you guess what number I am?

Use the clues to determine the number.

Number 1:

☐ I am a common factor of 27 and 45.

List the factors of 27: _____ List the factors of 45: _____

☐ I am an odd number.

Cross off all of the **even** numbers.

☐ When you multiply me by 3, you get a number greater than 10.

Cross off all numbers **less** than 10.

☐ What number am I? _____

Number 2:

☐ I am a common factor of 36 and 48.

List the factors of 36: _____ List the factors of 48: _____

☐ I am also a factor of 30.

List the factors of 30: _____ Which ones appear above?

☐ I am an even number.

Cross off all **odd** numbers.

☐ I am divisible by 3.

Cross off all numbers **not** divisible by 3.

☐ What number am I? _____

Number 3:

☐ I am a common factor of 60 and 100.

List the factors of 60: _____ List the factors of 100: _____

☐ I am an **even** number **greater** than 4.

Cross off all **odd** numbers and numbers **less** than 4.

☐ I am divisible by 4.

Cross off all numbers **not** divisible by 4.

☐ What number am I? _____

Number 4:

☐ I am an **odd** number.

Think of what an **odd** number is.

☐ I am a common factor of 135 and 210.

List the factors of 135: _____ List the factors of 210: _____

☐ I am **greater** than 7

Cross off all numbers **less** than 7.

☐ What number am I? _____

ENTER THE NUMBERS IN ORDER.

NUMBER 1	NUMBER 2	NUMBER 3	NUMBER 4