Logical Reasoning!

Statements

3 TYPES OF LEVEL

01 EASY LEVEL
All bad guys are eliminated

02 MEDIUM LEVEL
All good guys will pass it easily

03 HARD LEVEL
There will only be limited winners

04 YOU WIN
You are qualified to be among us!

EASY LEVEL!

Determine whether each of the following is a statement or not.

1

Please do not make a noise.

Statement

Not a statement

2

258 can be divided exactly by 2.

Statement

Not a statement

3

$2c + 3d$

Statement

Not a statement

MEDIUM LEVEL

Determine the antecedent & consequent of the following implications:

1. If $p < q$, then $q - p > 0$
2. If the perimeter of rectangle A is $2(x + y)$, then the area of rectangle A is xy.
3. If x is a whole number, then $2x$ is an even number.
4. If 2 and 5 are factors of 10, then 2×5 is 10.

Antecedent Question 1	2 and 5 are factors of 10
Consequent Question 1	2 x 5 is 10
Antecedent Question 2	The area of rectangle A is xy
Consequent Question 2	$q - p > 0$
Antecedent Question 3	X is a whole number
Consequent Question 3	$p < q$
Antecedent Question 4	The perimeter of rectangle A is 2(x+y)
Consequent Question 4	2x is an even number

HARD LEVEL

Construct two appropriate implications for each of the following implications:

1. 20% of 30 is 6 if and only if 0.2 x 30 = 6
2. M is divisible by 2 if and only if M is divisible by 2 and 10.

1.

2.