

**Thinking about math:**

- 1. Rule 1: For every number,  $N$ ,  $1 \times N = N$**
- 2. Rule 2: For every number,  $N$ ,  $0 \times N = 0$**

**Question A: Explain why the following statements are either true or false ---- (12) divided by 3 = 6 and (20) divided by 4 = 5**

**The above two statements could be written:  $12/3 = 6$  and**

**$20/4 = 5$**

**Question B: Of the following two statements, which better describes the correct statement in (A) above:**

**(x): If  $A/B = C$ , then  $A = B + C$  or**

**(y): If  $A/B = C$ , then  $A = B \times C$**

**Question C: Explain why  $N/N = 1$  and  $N/0$  does not equal 0**

**Question D:  $0/0$  has a strange answer. Do you see what it is?**