

Name: _____

Date: _____

Rutgers University: Math Placement Practice Test

1. Identify the following number(s) with their correct notation for integration that notation:

$$a \in \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\} \quad 0 \in \mathbb{N}, 10 \notin \mathbb{N}$$

$$B \in \{p\} \text{ is prime number } B \text{ is even and } 200 \quad 2 \notin \mathbb{B}, 28 \notin \mathbb{B}$$

$$C \in \{0.1, 0.2, 0.3, \dots, 0.9\}$$

$$\{x \in \mathbb{R} \mid x \in \mathbb{N} \text{ and } x \in \mathbb{Q}\} = \mathbb{N} \quad (\text{example, math})$$

2. Evaluate the numerical expression ignoring order of operations:

$$8 + 10 \cdot 2 + 20 + 30 + 40 + 50 \quad \rightarrow 200$$

3. Add, subtract, multiply, or divide:

$$a. \quad 1 + 2 + 3$$

$$= 6$$

$$b. \quad 1 + 2 + 3 + 4 + 5$$

$$= 15$$

$$c. \quad 1 + 2 + 3 + 4 + 5 + 6$$

$$= 21$$

$$d. \quad 1 + 2 + 3$$

$$= 6$$

$$e. \quad 1 + 2 + 3 + 4$$

$$= 10$$

$$f. \quad 1 + 2$$

$$= 3$$

$$g. \quad 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10$$

$$= 55$$

$$h. \quad 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10$$

$$= 55$$

$$i. \quad 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15$$

$$= 120$$

$$= 120$$

$$= 120$$

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