

USING SYMBOLS AND EXPRESSIONS TO THINK MATHEMATICALLY— SET 4

A Can find the unknown using inverse equations.

Additive

$$20 + \square = 156$$

$$156 - 20 =$$

$$156 - 20 = 136$$

$$137 - \square = 95$$

$$137 - 95 =$$

$$137 - 95 = 42$$

$$75 - \square = 22$$

$$75 - 22 =$$

$$75 - 22 = 53$$

Multiplicative

$$\square \times 3 = 63$$

$$63 \div 3 = 21$$

$$21 \times 3 = 63$$

$$\square \div 5 = 7$$

$$7 \times 5 = 35$$

$$7 \times 5 = 35$$

B Can find the unknown for inequality equations.

Note : When finding unknowns for inequality equations the answer will be “more than” or “less than a number” not a single whole number.

: Keep the unknown on the same side of the (< , >) inequality sign, a cross the whole numbers over to the other side.

$$51 + \square < 106$$

$$\square < 106 - 51$$

$$\square < 55$$

$$\square \div 24 > 4$$

$$\square > 4 \times 24$$

$$\square > 96$$

The number must be less than 55

The number must be more than 96

C Can read and record additive and multiplicative equality and inequality statements containing an unknown.

Greenfield school has 183 boys, and some girls, there are 433 students altogether. How many girls are there?

$$183 \text{ boys} + \square \text{ girls} = 433 \text{ students}$$

$$183 + \square = 433$$

$$433 - 183 = 50$$

Tana made biscuits for presents, he put 11 biscuits in each of 8 boxes. How many biscuits did he make?

$$\square \text{ cookies} \div 8 \text{ boxes} = 11 \text{ cookies}$$

$$\square \div 8 = 11$$

$$11 \times 8 = 88$$