

# NUMBER SENSE TIPS (MARCH 2020)

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For more teaching tips, visit the STORE and look for instructional Number Sense workbooks.

## ESTIMATION WHEN MULTIPLYING BY 2019

1.  $2019 \times 42 = \underline{\hspace{2cm}}$ .

$2020 \times 42$  ; The ones place of the answer is 0.

$202 \times 42$  ; Use the Double and Half shortcut to rewrite the problem.

$202 \times 42 = 101 \times 84$  ; Use the shortcut for multiplying by 101.

$$101 \times 84 = 8484$$

Answer is 84,840.

Range : 80,559 - 89,037

2. 2019 yards =                      inches.

$$2019 \times 36 = 2020 \times 36 = 1010 \times 72 = 72,720$$

Range : 69,050 - 76,318

3. 2019 days =                      hours

$$2019 \times 24 = 2020 \times 24 = 1010 \times 48 = 48,480$$

Range : 46,034 - 50,878

4. 2019 quarts =                      ounces.

$$2019 \times 32 = 2020 \times 32 = 1010 \times 64 = 64,640$$

Range : 61,378 - 67,838