

MIL5 ~ Number Forms w/ Decimals

9/18/2020

AP

James¹ measures the desk at 2000 mm

Amy³ measures the desk at 2 m

meter deci centi milli

James

$$200 \times 10^1 = 2000 \text{ mm}$$

| | t | h | t | o | ths |
|--|---|---|---|---|-----|
| | | 2 | 0 | 0 | |
| | 2 | 0 | 0 | 0 | |

Amy

$$200 \div 10^2 = 2$$

| | t | h | t | o | ths |
|--|---|---|---|---|-----|
| | | 2 | 0 | 0 | |
| | | | | 2 | 0 |

Vocab

copies of: multiply, groups of
5 copies of 4 (4 + 4 + 4 + 4 + 4)
= 20

Vocab

Standard Form: number with the digits

ex: 782

Word Form: write number using only words

ex: seven hundred eighty-two

Expanded Form: expand number and add values

ex $700 + 80 + 2$

$$(7 \times 100) + (8 \times 10) + (2 \times 1)$$

$$700 + 80 + 2$$

782

Unit Form: number with place

→ 7 hundreds, 8 tens, 2 ones

78 tens 2 ones

782 ones

7 hundreds 82 ones

One thousandths

1 thousandths

$$0.001 = (1 \times 0.001)$$

$$\frac{1}{1000} = (1 \times \frac{1}{1000}) \quad 1 \times (\frac{1}{1000})$$

Three thousandths

3 thousandths

$$0.003 = (3 \times 0.001)$$

$$\frac{3}{1000} = (3 \times \frac{1}{1000}) \quad 3 \times (\frac{1}{1000})$$

Thirteen thousandths

13 thousandths

$$0.013 = (1 \times 0.01) + (3 \times 0.001)$$

$$\frac{13}{1000} = (1 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$$

1 hundredths, 3 thousandths

25.413

Twenty-five and four hundred thirteen thousandths

$$25.413 = (2 \times 10) + (5 \times 1) + (4 \times 0.1) + (1 \times 0.01) + (3 \times 0.001)$$

$$25 \frac{413}{1000} = (2 \times 10) + (5 \times 1) + (4 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (3 \times \frac{1}{1000})$$

2 tens 5 ones 4 tenths 1 hundredth 3 thousandths

25 ones 413 thousandths

four hundred four thousandths

$$0.404 \quad \frac{404}{1000}$$

$$(4 \times 0.4) + (4 \times 0.001)$$

$$(4 \times \frac{1}{10}) + (4 \times \frac{1}{1000})$$

4 tenths 4 thousandths

four hundred and four thousandths

$$400.004$$

$$400 \frac{4}{1000}$$

$$(4 \times 100) + (4 \times 0.001)$$

$$(4 \times 100) + (4 \times \frac{1}{1000})$$

4 hundreds 4 thousandths

1. b c f g

2. b

3. c

4. a