

Warmup

1. What is 65400 written in scientific notation?

2. How many numbers are in the interval 1 – 15?

3.

$$-6(1) =$$

$$-8(-8) =$$

$$1(-3) =$$

$$4(-5) =$$

4. Expand:

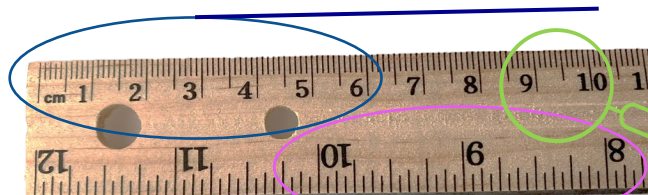
$$4(p + 8)$$

5. Calculate the mean, median and mode of the data. 6,8,4,8,5,9

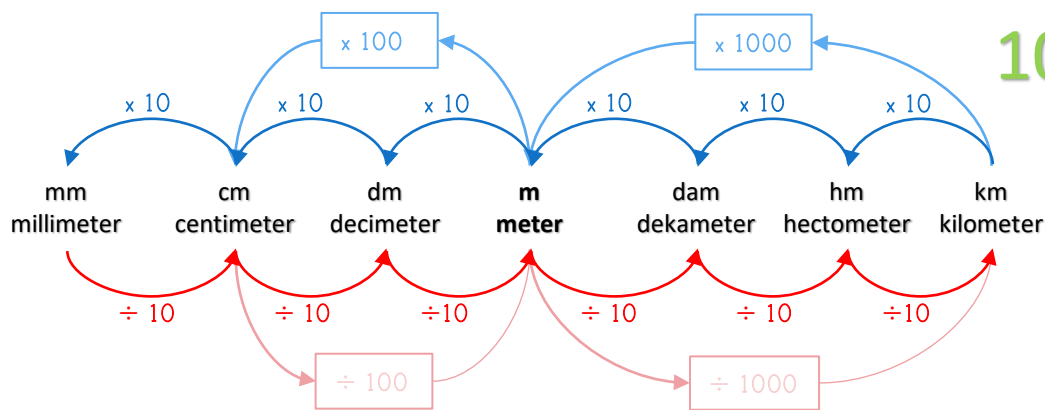
I. Metric System

Metric System:

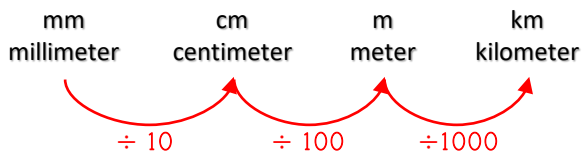
A unit of measurement based on powers of 10.



10 mm = 1 cm

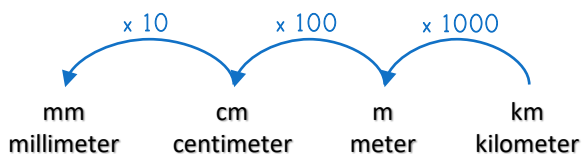


mm	cm	dm	m	dam	hm	km
						1
			250			



Going from a smaller to a larger unit

mm	÷ 10	cm	÷ 100	m	÷ 1000	km
3000000						
1250000						
10. 6700000						



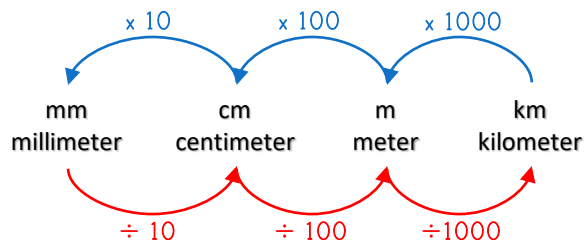
Going from a larger to a smaller unit

mm	x 10	cm	x 100	m	x 1000	km
						8
						46
						11. 54

II. Conversions Using the Metric System

13 cm = _____ mm

45 mm = _____ cm



82 cm = _____ m

350 m = _____ cm

42 km = _____ m

35 mm = _____ km

34000000 km = _____ m

82 cm = ____ mm

12.

284500 cm = _____ km

13.

2748 m = _____ mm

14.

9 cm = ____ mm

Use this area to write notes to yourself and practice unit conversions

III. Frequency Tables, Mean, Median, Mode, and Range

A survey was taken of mothers with children ages 0-18. The mother's ages are 20-59.

1. Determine the intervals

The scale is 20-59

How many numbers in the scale?

interval

	Tally	Frequency

20-29: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29

30-39: 30, 31, 32, 33, 34, 35, 36, 37, 38, 39

40-49: 40, 41, 42, 43, 44, 45, 46, 47, 48, 49

50-59: 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

Divide the number by 4 (to determine the 4 intervals)

The first number is 20. The interval should have _____ members, therefore the interval is 20 - _____

Calculate the other intervals

2. Enter the data into the table

20, 23, 24, 56, 45, 54, 20, 23, 48, 48, 37, 37, 45, 56, 31, 36, 34, 35, 41, 48

3. Determine the Mean: (Add all the ages, then divide by the number of ages.

4. Median:

3. Mode:

4. Range:

IV. Practice

15

16

17

18

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20

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