

Metric System and Review

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. Dividing Integers

Homeschool



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Pre-Algebra and Geometry I

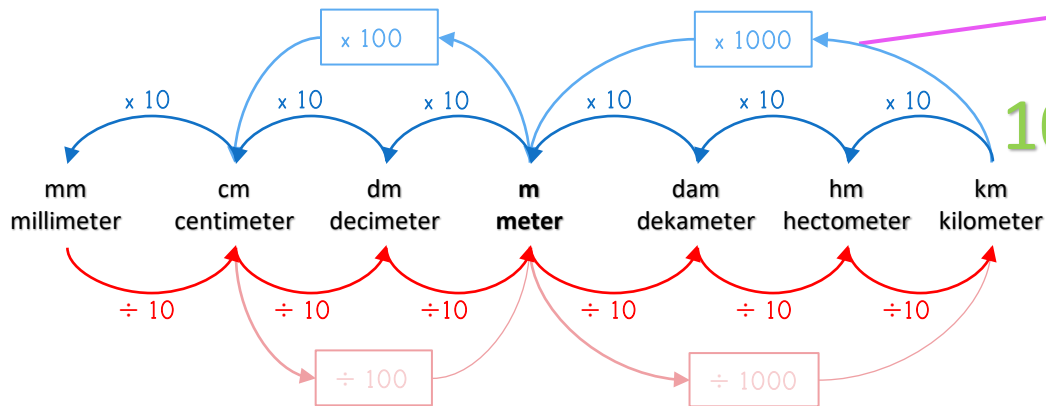
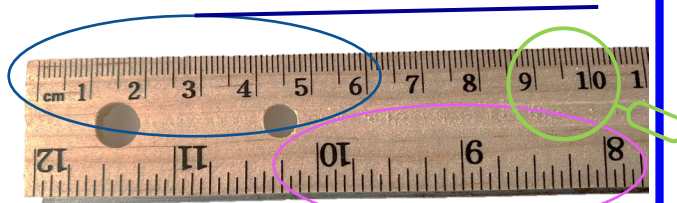
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I. Metric System

Metric System:

A unit of measurement based on powers of 10.



10 mm = 1 cm



mm	cm	dm	m	dam	hm	km
						1
			250			

II. Solve equations with Integers

$$a = -64 \div 8$$

$$a =$$

$$b = 9 (-7)$$

$$b =$$

$$c = 6 - -5$$

$$c =$$

$$d = -7 + -5$$

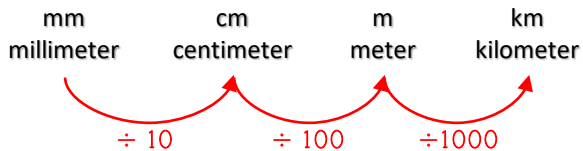
$$d =$$

8.

$$6 + -8 = s$$

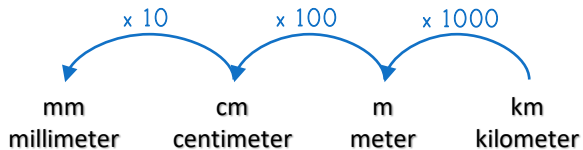
9.

$$\frac{-20}{-10} = z$$



Going from a smaller to a larger unit

mm	$\div 10$	cm	$\div 100$	m	$\div 1000$	km
3000000						
1250000						
10. 6700000						



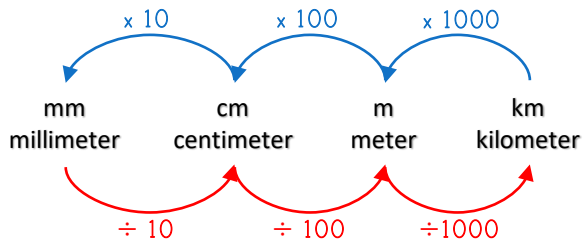
Going from a larger to a smaller unit

mm	$\times 10$	cm	$\times 100$	m	$\times 1000$	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

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

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

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

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:

	Tally	Frequency

interval

[illegible]