

Place Value

Ten Thousands Thousands, Hundreds Tens Ones. Tenths Hundredths

Forms of Numbers

- **Standard Form** - using digits to write numbers
 - Ex. 56,981
- **Expanded Form** – telling the value of each digit and adding them
 - Ex. $50,000+6,000+900+80+1$
- **Written Form** – writing the numbers in words
 - Ex. Five hundred twenty eight

Rounding Cont.

- Round to the nearest ten:
 - Ex. 57
 - The seven tells the 5 to go up so 57 rounds to 60
- Round to the nearest hundred.
 - Ex. 513
 - The 1 tells the 5 to stay the same so 513 rounds to 500
- Round to the nearest thousand.
 - Ex. 9,017
 - The 0 tells the 9 to stay the same so 9,017 rounds to 9,000

Rounding

- **Rules:**
 - 0-4 same
 - 5-9 up
- **Key words:**
 - Round
 - Estimate
 - Estimating
 - Approximate
 - Approximately
 - About
 - Nearest dollar, ten, hundred, thousand

Comparing Numbers

- Greater than- bigger than >
- Less than- smaller than <
- Equal/Equivalent to- =

Always look at the HIGHEST place value to compare numbers!

COMPARING NUMBERS

- ALWAYS look to the highest place value to compare

Ex. $8,951 > 7,692$

- If the highest place value is equal look to the next highest place value

Ex. $9,952 > 9,054$

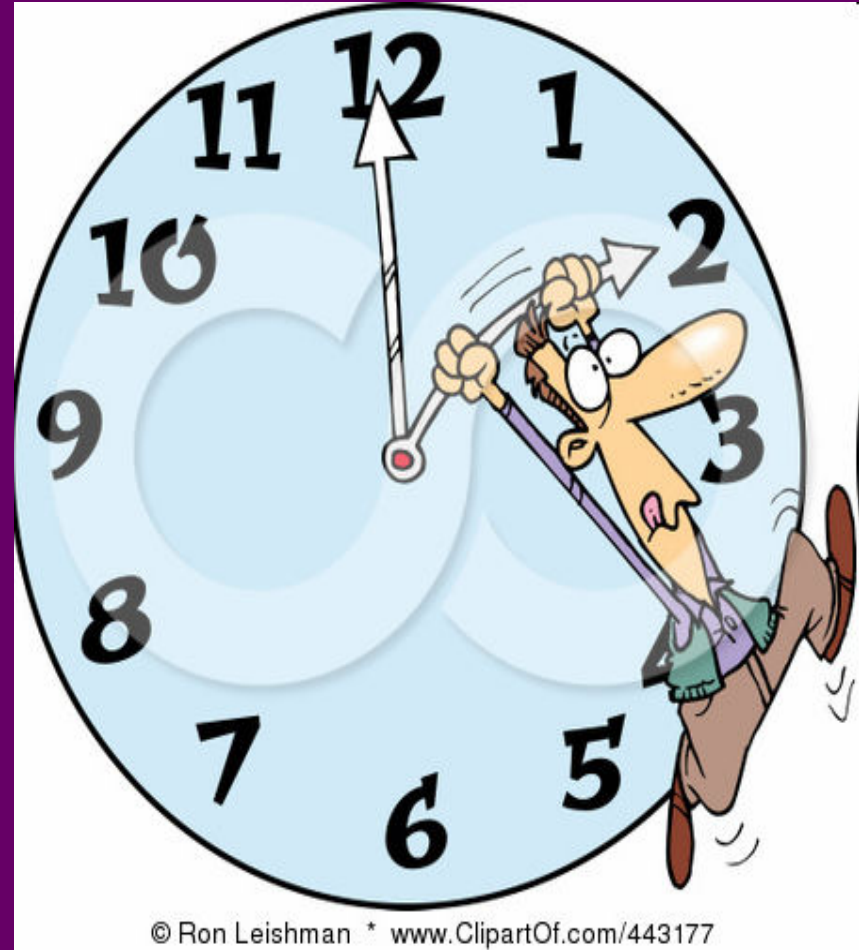
- $>$ Greater Than Ex. $5,052 > 1,025$
- $<$ Less Than Ex. $1,026 < 6,859$
- $=$ Equal To (Equivalent To) Ex. $6,082 = 6,082$

Ordering Numbers

- **ALWAYS** begin by **comparing** the numbers to determine the order
 - **Key Words**
 - Least- the smallest
 - Greatest- the biggest
- Ex. Order from Least to Greatest
6 ; 10 ; 14 ; 25
Order from Greatest to Least
25 ; 14 ; 10 ; 6

Time

- Minute- measures short amounts of time
 - 30 minutes = $\frac{1}{2}$ hour
 - 60 minutes = 1 hour
- Hour- measures longer amounts of time
 - 24 hours = 1 day

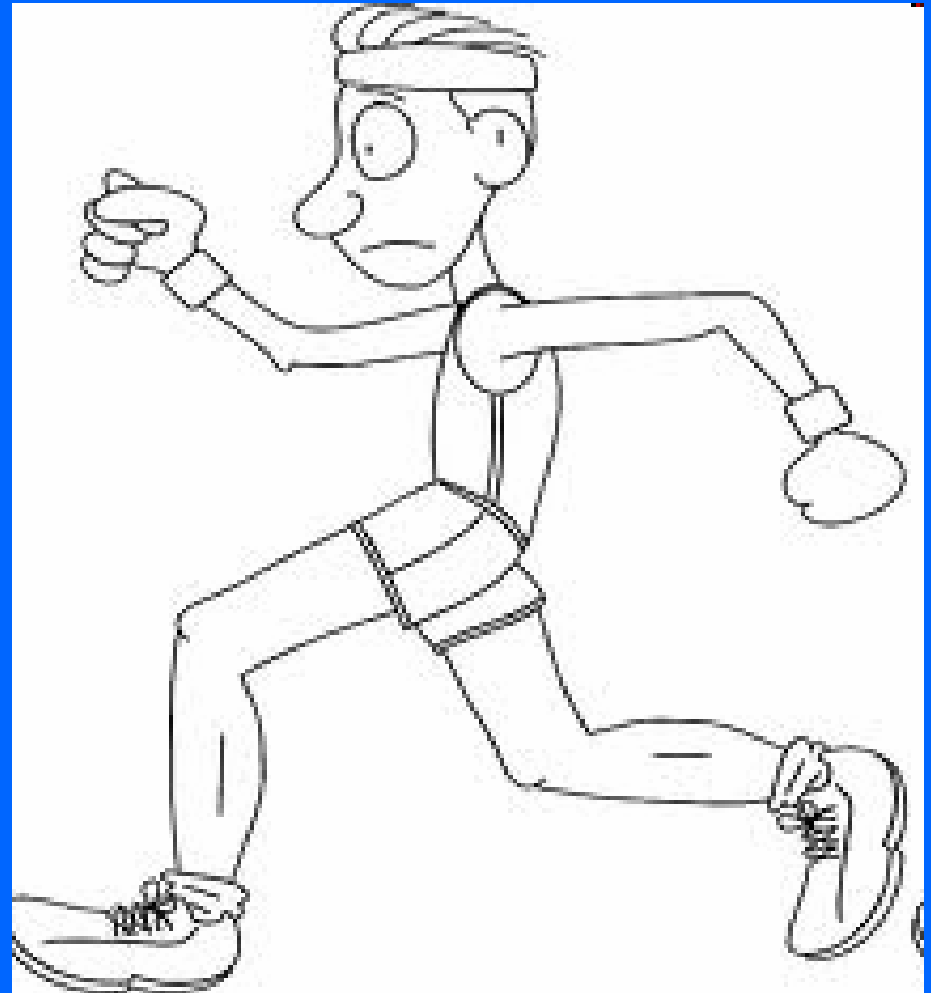


Time Vocabulary

- O'clock – the time is exactly on the hour
 - Min. hand is on the 12
- Half-hour – 30 min. past the hour
 - The min. hand is on the 6
 - Key words – half past
- Quarter after – 15 min. past the hour
 - The min. hand is on the 3
 - Key words - Quarter after, Quarter past
- Quarter of – 45 min. past the hour
 - The min. hand is on the 9
 - Key words – Quarter of, Quarter till, Quarter to

Elapsed Time

- The time that passes from the start of an activity to the end of an activity
- Ex. Track practice lasted 2 hours.



Elapsed Time (continued)

- **Move Forward in Time:**

- Start 1:00

- Start 2:05

- Elapsed 60 min.

- Elapsed ? _____

- End ? _____

- End 3:05

- **Move Backward in Time:**

- Start ? _____

- Elapsed 1 hr

- End 3:10

Multiplication

- Multiplication is adding the same number over and over again (repeated addition)
 - Ex. $3+3+3+3= 12$ **OR** $4 \times 3= 12$
- Multiplication problems contain factors (the numbers being multiplied) and a product (the answer to the multiplication problem)
 - $3 \times 2 = 6$
 - Groups \times each group = total (product)

Multiplication (continued)

– Array – Rows x Columns = Total

Ex.

***** **3 x 5 = 15**

Ex.

5 x 3 = 15

Temperature

- Thermometer- the instrument used to measure temperature in degrees
 - *MOST* thermometers measure in increments of 2 degrees

Fahrenheit Temperature (cont.)

Room
Temp.
72

Warm 92

Cool 52

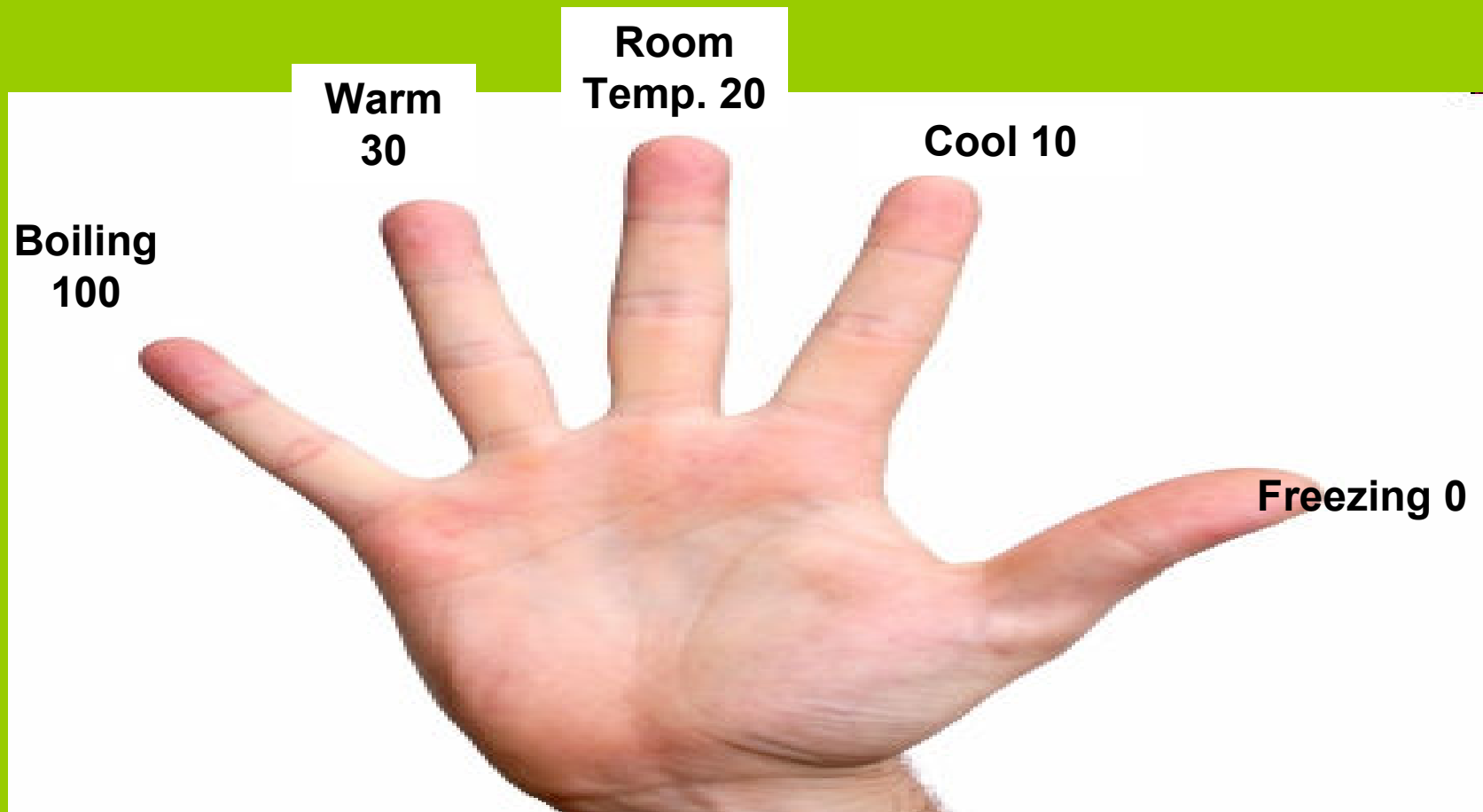
Boiling
212

Freezing
32



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Celsius Temperature (cont.)



Customary/Standard Length

- Inch (in.) – about the length of your thumb knuckle to the tip of your thumb
- Foot (ft.) – about the length of your reading text book
 - More than one foot is called “feet”
- Yard (yd.) – about the length of the door knob to the floor
- Mile (mi.) – walking 4 times around the track (about 20 minutes)

Customary/Standard Length Base Information For Conversions

- 12 inches = 1 foot
- 36 inches = 1 yard
 - 3 feet = 1 yard
- 5,280 feet = 1 mile
- 1,760 yards = 1 mile

Metric Length

- Centimeter (cm.) - about the width of your pinky
- Decimeter (dm.) - about the width of an adult's hand
- Meter (m.) - about the length of one arm
- Kilometer (km.) - walking for about 15 minutes

Metric Length

Base Information For Conversions

- 100 centimeters = 1 meter
- 10 decimeters = 1 meter
- 1,000 meters = 1 kilometer