

## METRIC UNIT CONVERSIONS

When You Know: Multiply By: To Find:

### Length and Distance

inches	2.5400	centimeters
feet	.3048	meters
yards	.9144	meters
miles	1.6093	kilometers

## FRACTIONS, DECIMALS, PERCENTAGES

$\frac{3}{5}$  - numerator  
5 - denominator

To *add* or *subtract* different fractions, first find the common denominator.

$$\frac{1}{3} + \frac{2}{5} = \frac{5}{15} + \frac{6}{15} = \frac{11}{15}$$

To *multiply*:

$$\frac{1}{3} \times \frac{2}{5} = \frac{1 \times 2}{3 \times 5} = \frac{2}{15}$$

## Science Notebook Grading Rubric.

100%

Notebook contents are neatly completed, all pages are numbered, titled and dated.  
Right-side/left-side topics are correct and contents are organized according to class guidelines.  
Table of Contents reflects ALL entries to date.  
Right-side notes go BEYOND basic requirements.  
Left side shows IMPRESSIVE, IN-DEPTH scientific thought and effort.

85%

Notebook contents are MOSTLY NEAT and complete (at least 90%), pages numbered, titled and dated.  
Right-side/left-side topics are correct and organized with no more than 2 assignments incorrectly placed.  
Table of Contents reflects 90% of all entries up to date.  
Right side notes meet requirements.  
Left side shows a basic understanding of content topics, shows some thought and effort.

70%

Notebook contents are legible, complete (at least 80%), pages numbered, titled and dated.  
Right-side/left-side topics are correct and organized with no more than 4 assignments incorrectly placed.  
Table of contents reflects at least 80% of all entries to date.  
Right side notes nearly meet minimum requirements.  
Left side shows a limited understanding of content topics, limited thought and effort.

55%

Notebook turned in but too incomplete to score well.  
Majority of pages are missing or incomplete.  
Dating and labeling of pages is inconsistent.  
Right side contents incomplete and missing.  
Left side shows minimal understanding, not neatly written, minimal effort.

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### Temperature

To convert Fahrenheit (F°) to Celsius (C°):  
subtract 32, multiply by 5, and then divide by 9.

To convert Celsius (C°) to Fahrenheit (F°):  
multiply by 9, divide by 5 and then add 32.

2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144