

GOD'S PERFECT DESIGN IN DATA

A MEAN, MEDIAN, MODE, AND RANGE WORKBOOK

BY KATIE SWANK



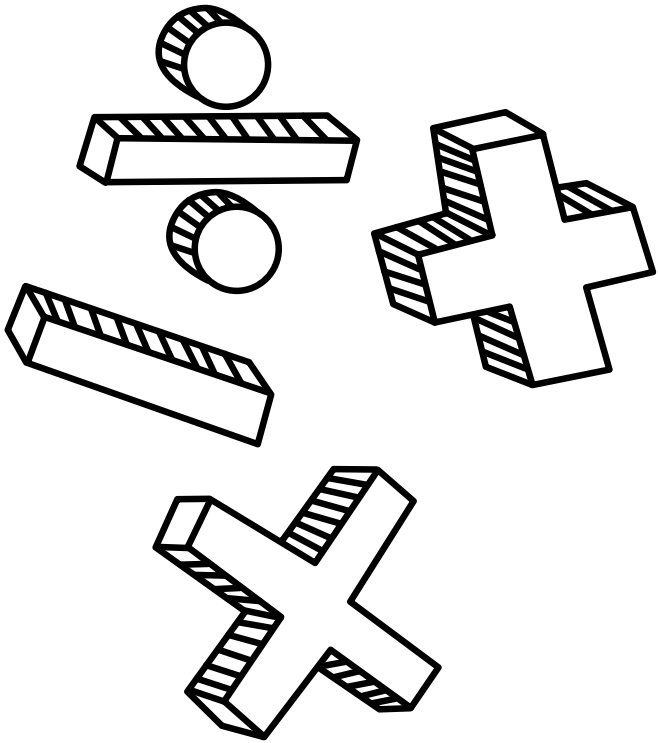
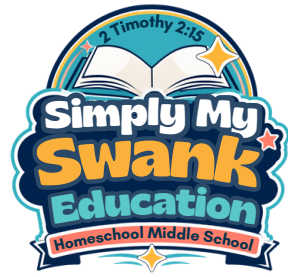
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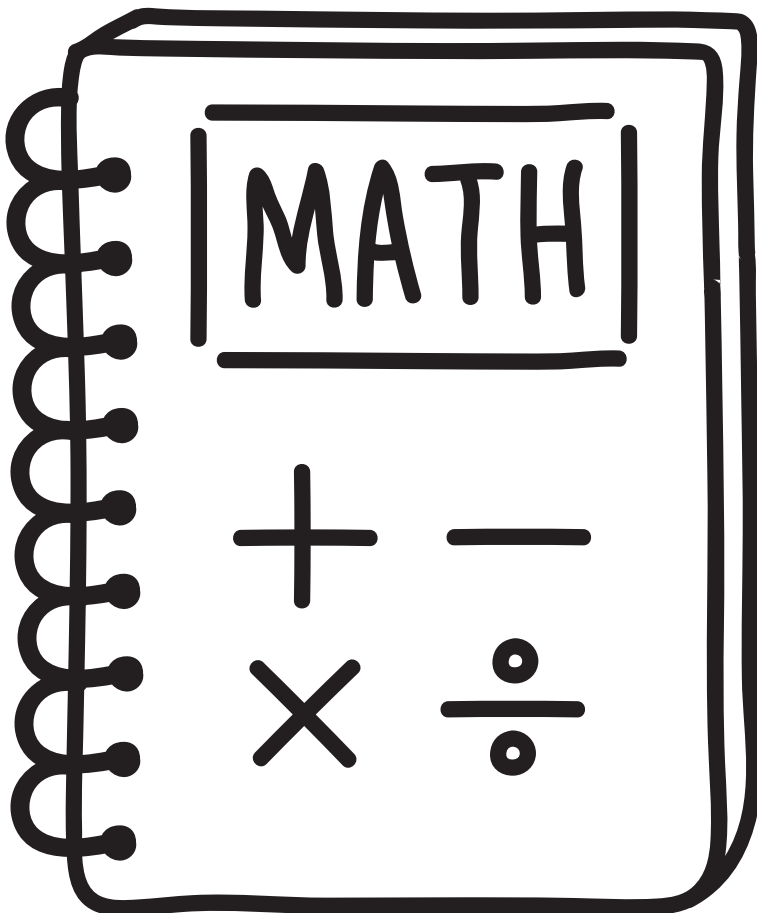
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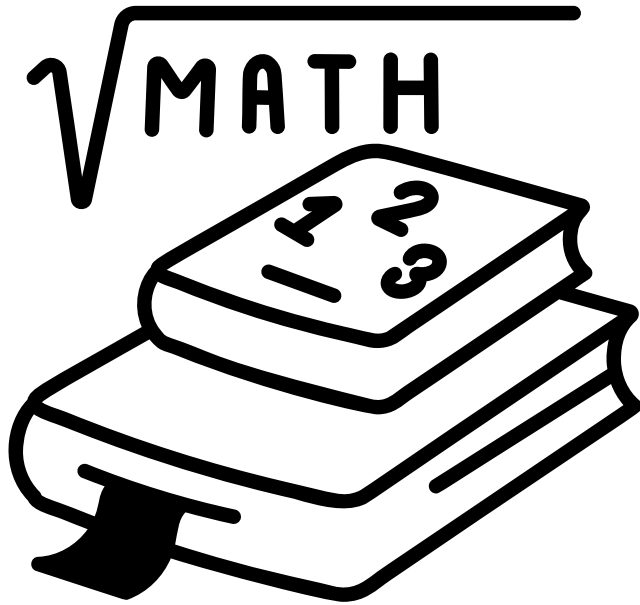
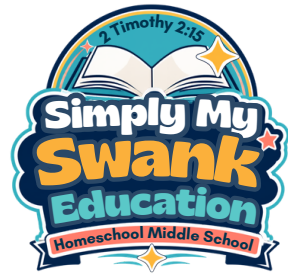
The Master Architect of the universe
has left a perfect design,
Written in the steady numbers
and every balanced line.
In a world that feels like chaos,
a deeper truth is found:
Math is the divine proof
that we stand on holy ground.

When your mind is overwhelmed
by life's heavy, crowded space,
Look closely at the data
to see the Creator's grace.
The Mean is like His perfect love,
a beautiful, steady average,
Summing up our broken pieces,
lifting up our spirits,
Dividing out the heavy weight
so everyone can bear it.

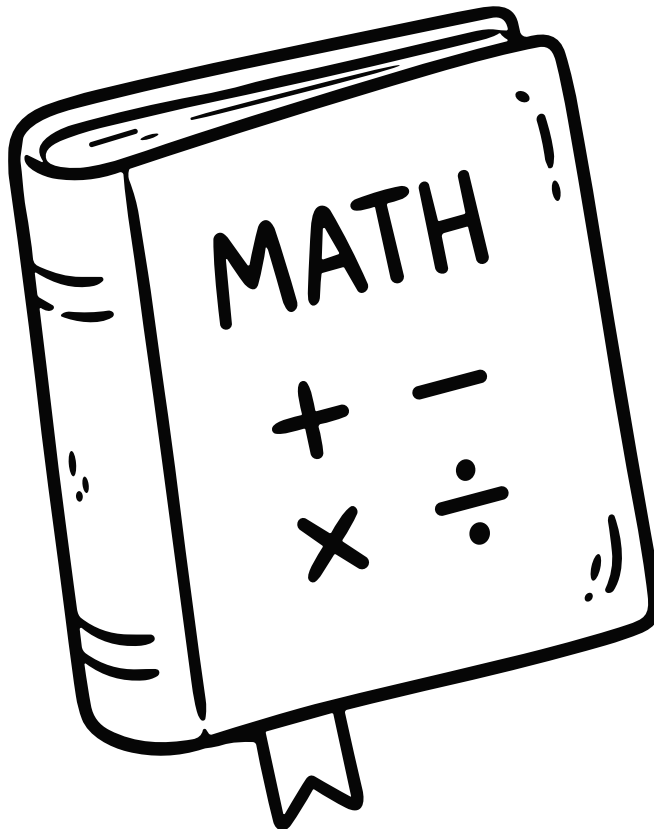


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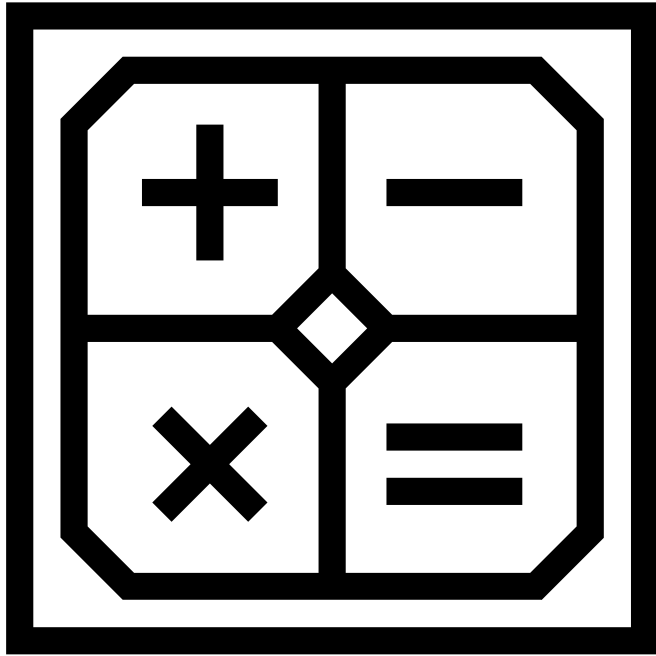
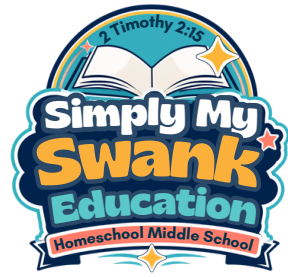
When the storms of life are raging
and you lose your steady ground,
Look to the center of the line
where perfect truth is found.
The Median stands directly
in the middle of the crowd,
A constant, quiet anchor
when the world is fierce and loud.



God places you precisely where
His steady hand intends,
Right in the center of a plan
that never breaks or bends.
When you feel alone and hidden,
lost inside the daily grind,
The Mode reminds us
of the trends the Maker had in mind.
It's the value seen most often,
appearing frequently and clear,
Like the blessings and the mercies
He repeats throughout the year.

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$$x^2 + y^2 = z^2$$

$$\sum_{n=1}^{\infty} n$$

$$\sqrt{a}$$

$$\pi$$

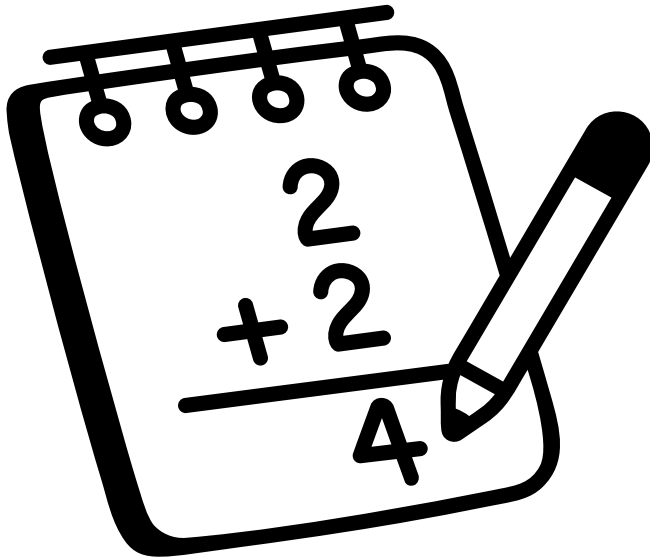
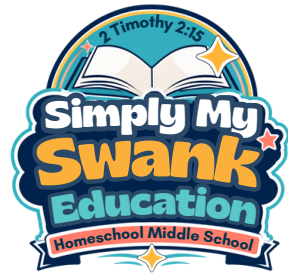
Your life is not an accident;
your purpose is expressed
In the beautifully repeated patterns
by which we all are blessed.
Though our highs and lows are massive,
stretching out so far and wide,

The Range reminds us of the space
where God walks by our side.
From the lowest, deepest valley
to the highest mountain peak,
His span of grace covers
every distance that we seek.
The difference between our best
and worst
is measured by His care,
No matter how far numbers stretch,
His presence meets us there.

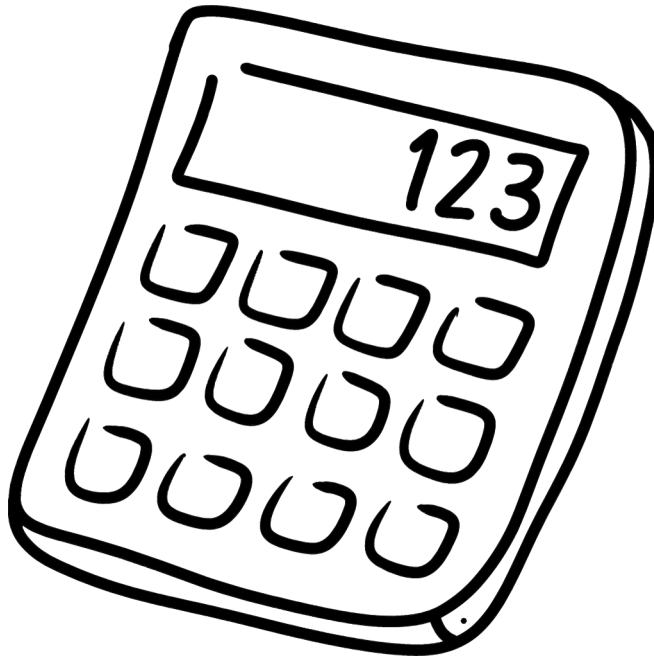
$$2 + 2 = 4$$

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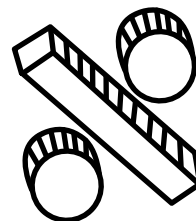
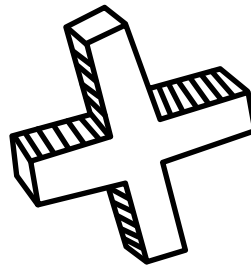
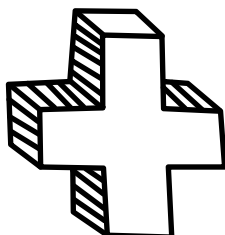
MATH



For math is not a human thought,
or accidental art;

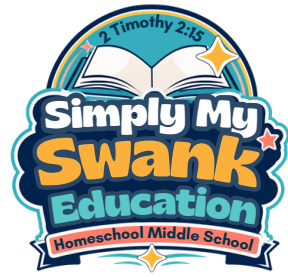
It is the flawless language
of the Great Creator's heart.
From the averages that balance us
to the ranges where we trod,
Every constant, perfect measure
proves the living hand of God.

The Master Architect of the universe
has left a perfect design,
Written in the steady numbers
and every balanced line.
In a world that feels like chaos,
a deeper truth is found:
Math is the divine proof
that we stand on holy ground.



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Math Facts & Definitions

These summaries explain how each statistical concept works, followed by their divine connection from the poem:

Mean: The average of a data set. You find it by adding all the numbers together and dividing the sum by the total count of numbers.

The Analogy: It represents a beautiful, steady average that sums up our broken pieces and distributes the weight equally.

Median: The middle number in a data set when the numbers are listed in order from least to greatest. If there is an even number of data points, it is the average of the two middle numbers.

The Analogy: It represents a constant, quiet anchor standing directly in the center of life's chaos.

Mode: The number or value that appears most frequently in a data set.

A set can have one mode, more than one mode, or no mode at all.

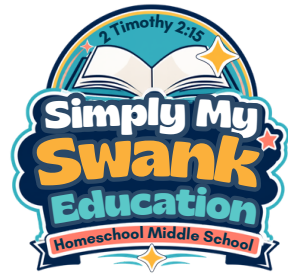
The Analogy: It represents the repeated patterns of blessings and mercies that God frequently shows us.

Range: The difference between the highest (maximum) value and the lowest (minimum) value in a data set. You find it by subtracting the smallest number from the largest number.

The Analogy: It represents the immense span of grace that covers us everywhere, from our lowest valleys to our highest mountain peaks.

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Fill-in-the-Blank Practice Problems

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Directions: Use the data sets provided in each scenario to fill in the blanks for the mean, median, mode, and range.

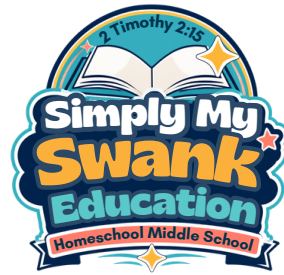
Problem 1: The Mountain Peaks & Valleys

A group of students measures the heights of various hills in a valley. They record the heights as: 4, 8, 12, 4, 22 feet.

- To find the measures of central tendency, first arrange the numbers from least to greatest: _____
- The Mean (average) height of the hills is _____ feet.
- The Median (middle) height sitting directly in the center of the ordered list is _____ feet.
- The Mode (the height that appears most frequently) is _____ feet.
- The Range measuring the total distance from the lowest valley to the highest peak is _____ feet.

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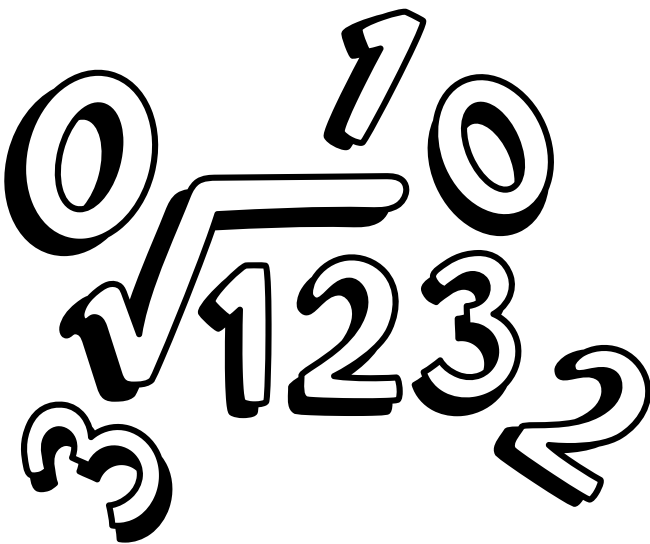
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Problem 2: Gathering the Blessings

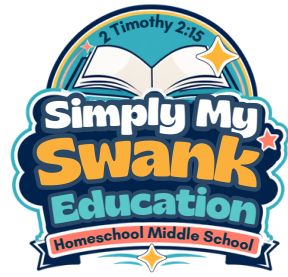
A family tracks the number of encouraging notes or acts of kindness they noticed each day for a week. Their data set is: 7, 15, 3, 7, 10, 2, 12 entries.

- Arrange the daily numbers from least to greatest: _____
- The Mean number of blessings noticed per day is _____ entries.
- The Median anchor point in the middle of their week is _____ entries.
- The Mode showing the trend that repeated most often is _____ entries.
- The Range between their quietest day and their most abundant day is _____ entries.



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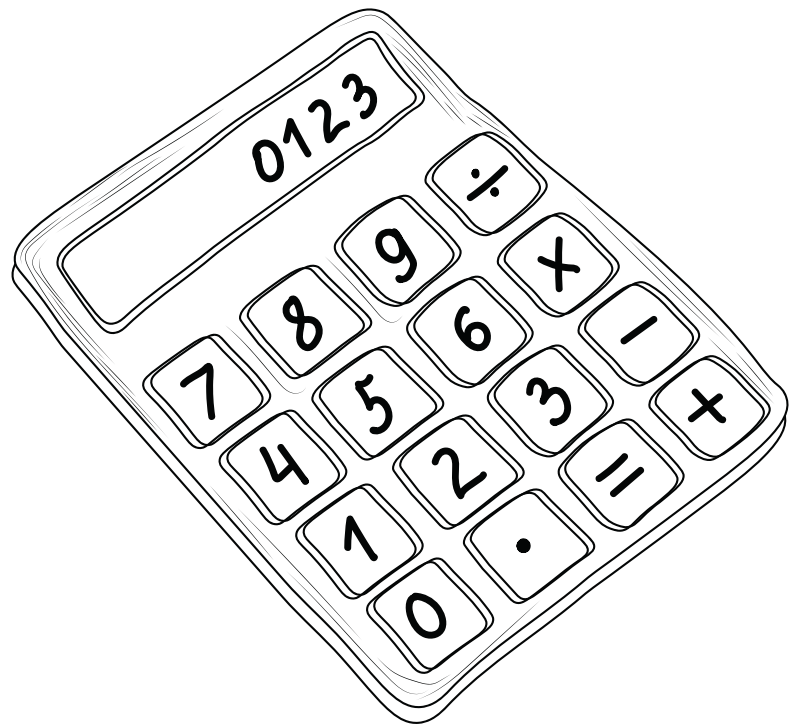
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Problem 3: The Gathering of the Crowd (Even Data Set)

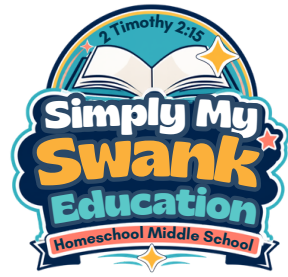
Six friends record how many chapters of their books they read over the weekend: 5, 9, 3, 5, 12, 14 chapters.

- Arrange the chapters read from least to greatest: _____
- The Mean number of chapters read across the group is _____ chapters.
- Because there is an even number of data points, find the Median by averaging the two middle numbers (_____ and _____). The final median is _____ chapters.
- The Mode representing the most common reading pace is _____ chapters.
- The Range stretching from the shortest reading time to the longest is _____ chapters.



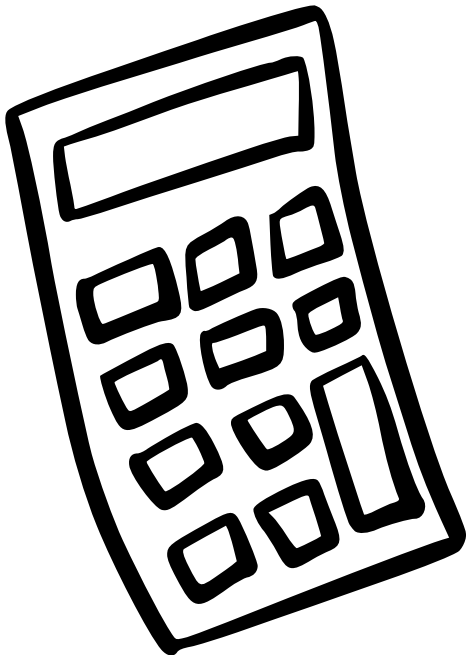
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Answer Key (For Grading)

- Problem 1: Ordered: 4, 4, 8, 12, 22. Mean: 10 | Median: 8 | Mode: 4 | Range: 18 (22 - 4)
- Problem 2: Ordered: 2, 3, 7, 7, 10, 12, 15. Mean: 8 | Median: 7 | Mode: 7 | Range: 13 (15 - 2)
- Problem 3: Ordered: 3, 5, 5, 9, 12, 14. Mean: 8 | Median: 7 (average of 5 and 9) | Mode: 5 | Range: 11 (14 - 3)



MATH