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THE **LiT** MATH MANUAL

Grade 1-3

Using this “Math Manual”, you will work with your mentor to solve all sorts of problems...Let’s check some of them out!



1. Simple Addition:

- $7 + 5 = \underline{\quad}$
- $9 + 2 = \underline{\quad}$
- $14 + 6 = \underline{\quad}$

2. Simple Subtraction:

- $15 - 3 = \underline{\quad}$
- $10 - 4 = \underline{\quad}$
- $18 - 9 = \underline{\quad}$



THE **LiT** MATH MANUAL

Grade 4-6

Using this “Math Manual”, you will work with your mentor to solve all sorts of problems...Let’s check some of them out!



1. Multi-Digit Addition:

- $3,476 + 2,158 = \underline{\quad}$
- $5,612 + 4,789 = \underline{\quad}$

2. Multi-Digit Subtraction:

- $8,745 - 3,219 = \underline{\quad}$
- $6,800 - 4,456 = \underline{\quad}$

Let's try out some Word Problems:

- A bookstore sold 2,150 books in January and 1,850 books in February. How many books did they sell in total?

- A recipe requires $\frac{3}{4}$ cup of sugar. If you only have $\frac{1}{2}$ cup, how much more do you need?

(Tip for fractions: find a common denominator!)

3. Multiplication:

- $7 \times 7 = \underline{\quad}$
- $12 \times 4 = \underline{\quad}$
- $2 \times 35 = \underline{\quad}$

4. Addition and Subtraction:

- $\frac{3}{4} + \frac{1}{8} = \underline{\quad}$
- $\frac{5}{6} - \frac{1}{3} = \underline{\quad}$

Area and Volume:

What is the area of a rectangle with a length of 8 cm and a width of 5 cm?

(Answer: $\underline{\quad}$ cm²) **Hint: use the formula Length \times Width = Area**

What is the volume of a rectangular prism with a length of 4 cm, width of 3 cm, and height of 5 cm? (Answer: ___ cm³) **Hint: use the formula Length × Width × Height = Volume**

If you buy 3 notebooks for \$2.50 each and a pen for \$1.75, how much do you spend in total?



THE **LiT** MATH MANUAL

Grade 7-8

Using this “Math Manual”, you will work with your mentor to solve all sorts of problems...Let’s check some of them out!



1. Addition and Subtraction:

○ Calculate: $-7 + 3 = \underline{\quad}$

○ Calculate: $5 - (-12) = \underline{\quad}$

2. Multiplication and Division:

○ Calculate: $-4 \times 6 = \underline{\quad}$

○ Calculate: $-18 \div 3 = \underline{\quad}$

Let's try out some Word Problems:

If a number is increased by 8 and the result is 15, what is the number?

If a car travels 150 miles on 5 gallons of gas, what is the car's miles per gallon?

A map shows a scale of 1 inch to 20 miles. If two cities are 3 inches apart on the map, how far apart are they in real life?

A ribbon is $\frac{5}{6}$ meters long. If you cut off $\frac{1}{3}$ of a meter, how much ribbon remains?

