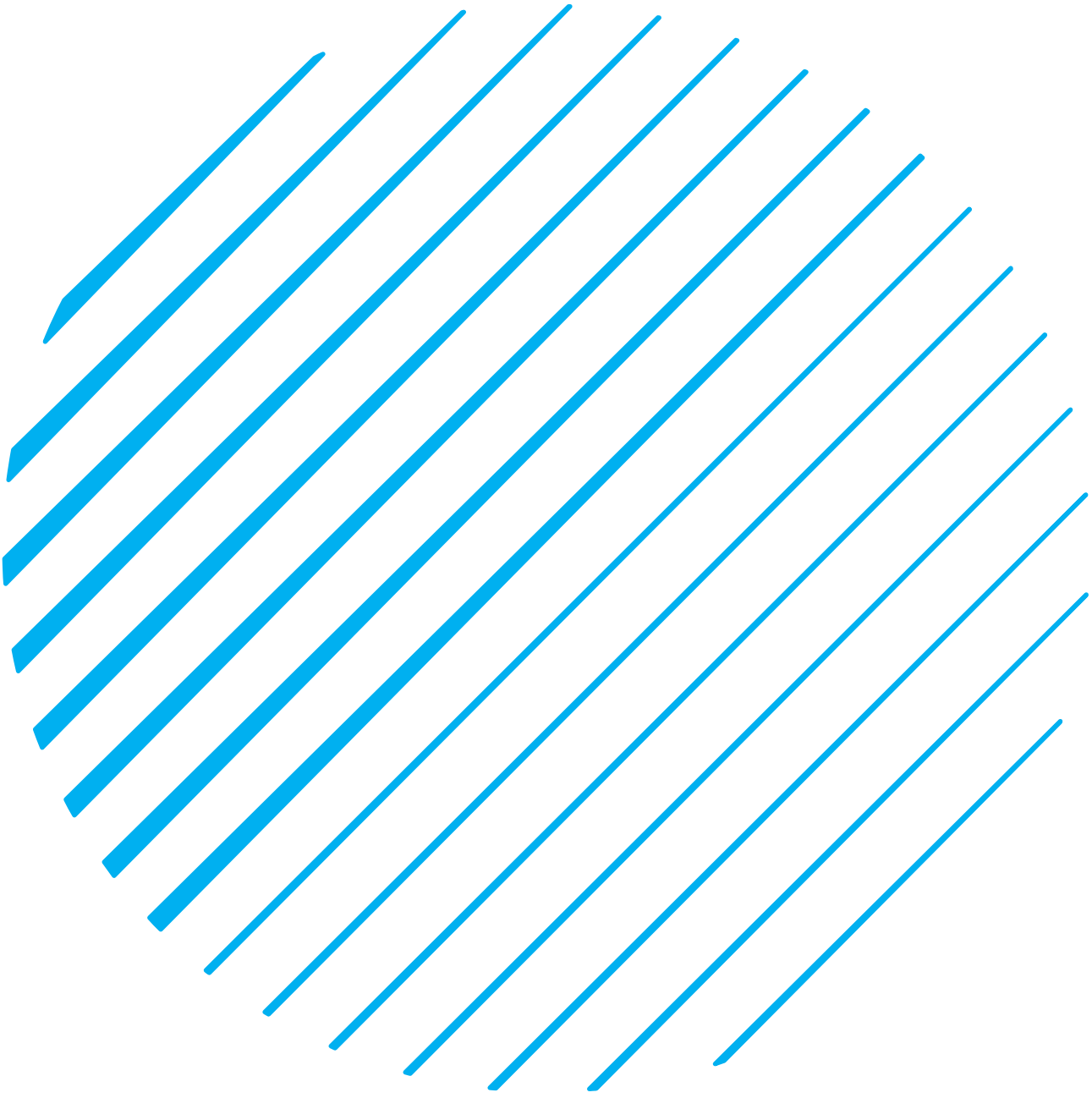
VITAL MATHEMATICS



ALGEBRA

PERCENTAGES

STEVIE CARPENTER

INTRODUCTION

Percentages represent a portion of a whole quantity. A percentage is very similar to a fraction, the biggest difference is that a percentage uses the percentage symbol (%) and fractions use the division sign (/). The percentage can be used for multiple things like finding the discounted price on material, discovering the whole quantity in relation to fractional portion, and vice versa.

SOLVING PERCENTAGES

STEP 1) Identify what need to be done in the problem.

Step 2) Either multiply the whole quantity by the percentage to attain how much of the whole quantity is within the percentage.

Example: 40% of $60 = 60 x .40 = $24
This translates to 40% of $60 is equal to $24.

Or divide the portion by the whole quantity to find out what percentage composes the portion of the whole

Example: $24 is what percentage of $60?
24/60 = .40 or 40%

PERCENTAGE EXAMPLES

Example 1) What is 70% of 125?

Example 2) 40 is what percentage of 200?

Example 3) A store is selling a shirt for $40, with a discount of 25% if 2 or more shirts are bought. If you buy 5 shirts, how much is discounted on the final purchase?

Example 4) If you buy milk for $3.45 at the store, with a 9.5% tax. How much are you paying in total?

PERCENTAGES

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BY

STEVIE CARPENTER

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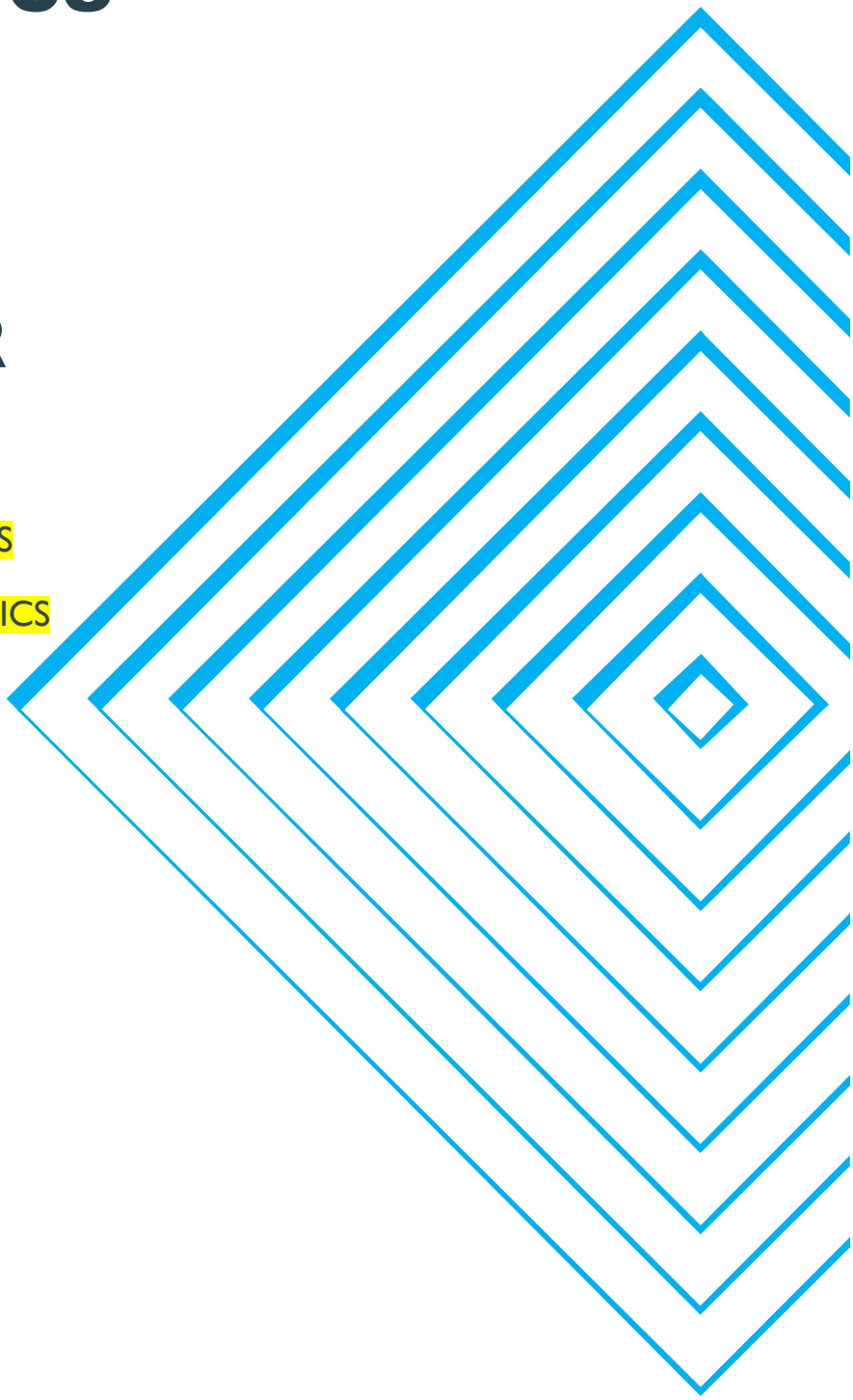
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