

# Dimensional Analysis

Write down the number of dimensions represented by each formulae and decide whether it could be used to measure length, area or volume.

1) Formulae	Dimensions	Length, Area, or Volume
$F = a$		
$F = ab$		
$F = abc$		
$F = a^2$		
$F = a^3$		

2) Formulae	Dimensions	Length, Area, or Volume
$F = a + b$		
$F = ab + bc$		
$F = abc - edf$		
$F = c^2 - cd$		
$F = c^2b - d^3$		

3) Formulae	Dimensions	Length, Area, or Volume
$F = 5ab$		
$F = 2bca$		
$F = \pi abc$		
$F = 4a - 6d$		
$F = 11b^3 - 5ed$		

4) Formulae	Dimensions	Length, Area, or Volume
$F = 5b - \pi d$		
$F = 5b^3 - \pi$		
$F = abc - c^2d$		
$F = 7s - 2t^3$		
$F = a + b + 5$		

5) Formulae <small>(where k is a constant)</small>	Dimensions	Length, Area, or Volume
$F = \frac{abc}{b}$		
$F = \frac{7kabc}{bc}$		
$F = \frac{7kabc}{a}$		
$F = \frac{a^2bc^2}{b^3}$		
$F = \frac{7ka^2bc^2}{b^3a^3}$		

6) Formulae <small>(where k is a constant)</small>	Dimensions	Length, Area, or Volume
$F = \sqrt{\frac{abc}{b}}$		
$F = \sqrt{\frac{kabc^2}{3}}$		
$F = \sqrt{\frac{a^2bc^2}{b^3}}$		
$F = \sqrt{\frac{5b^3c}{kb^2}}$		

# Dimensional Analysis Worksheet Answers Key

**K Morrison**



**Dimensional Analysis Worksheet Answers Key:**

## Reviewing **Dimensional Analysis Worksheet Answers Key**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Dimensional Analysis Worksheet Answers Key**," an enthralling opus penned by a highly acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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web laser beam machining is widely used for various material removal applications since it provides highly concentrated energy source to cut the materials in laser through cutting a kerf is created through relative motion between the laser beam and the workpiece surface while profiling 26