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| **Conversion Chart** |
| **1 mile = 5,280 ft** | **1 gallon = 4 quarts** | **1 pound = 16 ounces** |
| **1 inch = 2.54 cm** | **1 quart = 946 ml** | **1 pound = 454 grams** |
| **3 feet = 1 yard** | **1 meter = 100 cm** | **1 km = 1000 meters** |

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|  | **#1** $P = \frac{2}{3} xy$  solve for x  |
|  | **#3** $ab + 2 = c - 1$  solve for a |
|  | **#5** $x = ay + c$  solve for a  |

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|  | **#8** Convert 100ft to km |

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|  | **#2** $a = 5bc + 9$  solve for c |
|  | #4 𝑎 = 2𝑏 − 5(𝑐 + 𝑑)  solve for w |
|  | #6 At a bowling alley you pay a $5 entrance fee and an additional $2.50 for each game bowled. Write an expression to model this scenario. If you have $15, how many games could you bowl? |
|  | #9 How many grams are there in 4000 ounces? |
|  | **#10** If a car travels at a rate of 30 miles per hour, how many feet per minute does it travel?  |
|  | **#7** To start saving up for a car you put $500 in your account. You put in an additional $100 every month. Write an expression to model this scenario. How much money will be in your account after 1 year? |