# Tonka Inc Harvard Case Solution & Analysis

#### **Risks**





- Conservative management
  Utilize financial resources effectively
- Meeting business objectives I. Diverisify product line
- 2. Expand internationally



# **Leveraging Up**





#### **Capital Structures**





#### Recommendations



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# Tonka

- 5th largest toy company in the US
- Exceptional profitability in 1985 & 1986
- Conservative management
- Utilize financial resources effectively
- Meeting business objectives
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# Risks

# Business Risk

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 Bisica souchard with company's operations
 Uncertainty about demand
 Uncertainty about output prices
 Operating Levenger use of fixed costs ratio
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Levered Cost of Equity
 107 = 7.00% (10-Yr Treasurion Band)
 105 = 1.1 (girsen)
 104 (580-87/3m & 667/sm saccis
 prices)=146.45 = 208.19/208.19 = 18.4%

• RE = RF + βE (RM - RF) = 7.68+1.1(18.4 - 7.68) = 19.512% - Ethiosenol Cost of Equity - RE = RO + D/E (1 – TC)(RO – RD) - D.19532 = RO + (16.7/152.5g) = D.45)

> - [E = [0](1 + D/E(1 - TC)] - 1.1 - [0](1 + 14.70158.5 (1 - E - 100 - 1.479)

> > Financial Risk

 Additional this concentrated on common stockholders as a result of Tautock, loverage, in the off felox or perfected on (Ex. 8) v (2002). TO(36-903)
 Assuming risiders felox, 60 = 0, thus Financial dischardifficant bill critical state of the sta

Current Ratio = Carrent, Assess/Current Unibility

# Business Risk

- · Part of Total Corporate Risks
- · Risks associated with company's operations
- -Uncertainty about demand
- -Uncertainty about output prices
- -Uncertainty about costs
- -Operating leverage: use of fixed costs rather than variable costs.
- Tonka: Seasonal demand, short product life cycle, hit-or-miss nature, inventory
- Levered Cost of Equity
- RF = 7.08% (10-Yr Treasuries Bond)
- βE = 1.1 (given)
- RM (S&P 87'Jan & 86'Jan stock prices)=246.45 208.19/208.19 = 18.4%
- RE = RF + βE (RM RF) = 7.08+1.1(18.4 - 7.08) = 19.532%

- · Unlevered Cost of Equity
- $\cdot RE = R0 + D/E (1 TC)(R0 RD)$
- 0.19532 = R0 + (16.7/155.5)(1 0.45)(R0 - 0.075)
- R0 = 18.86%

- Hamada Equation to find Unlevered Beta
- $\beta E = \beta 0[1 + D/E(1 TC)]$
- $1.1 = \beta 0 [1 + 16.7/155.5 (1 0.45)]$
- $\beta 0 = 1.039$

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- Hamada Unlever
- $\beta E = \beta$
- 1.1=  $\beta$ 0
- $\beta 0 = 1.0$

ies Bond)

stock 8.19 =