

Actual Test One

#16)

2 Tbsp milk • 6 scale up = 12 Tbsp milk total

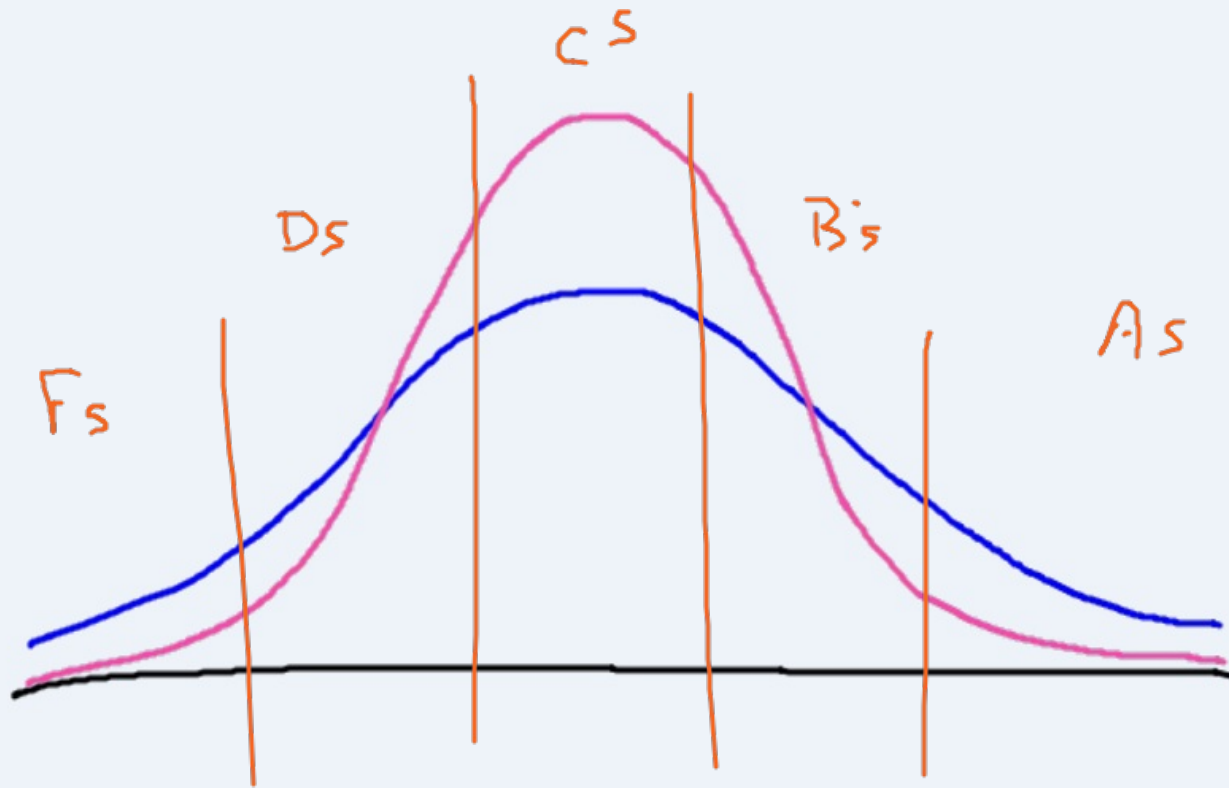
4 Tbsp to $\frac{1}{4}$ -cup

↓
÷4

3 $\frac{1}{4}$ -cups milk

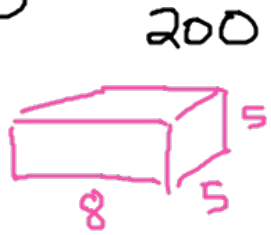
1 Tbsp flaxseed meal $\cdot 6$ = 6 Tbsp total

4 Tbsp = $\frac{1}{4}$ cup \rightarrow ??



Grading
on
a
Curve

14)



200 cubic in
multiply all 3 dimensions

45% gold
55% silver

Volume

Gold: $200 \cdot 0.45 = 90$ cubic in

Silver: $200 \cdot 0.55 = 110$ cubic in

Weight

$\cdot 10.179 = 916.11$ troy oz
 $\cdot 5.527 = 607.97$ troy oz

15)

Weight

Gold:

916.11 troy oz • \$ 1,124.67

Silver:

607.97 troy oz • \$ 18.89

Cost

= \$ 1,141,171
= \$ 11,485

#13)

age 47

Heart Rate Formulas

maximum safe heart rate = $220 - \text{age}$

upper limit for aerobic exercise = $(220 - \text{age}) \times 0.85$

lower limit for aerobic exercise = $(220 - \text{age}) \times 0.5$

$$\begin{aligned} 220 - 47 &= 173 \text{ beats per min} \\ 173 \cdot 0.85 &= 147 \text{ beats per min} \\ 173 \cdot 0.5 &= 87 \text{ beats per min} \end{aligned}$$

Amortization

(going "forward")

7 %
15 years
\$125,000 mortgage

look up
on table
\$8.99
per thousand
of mortgage

Amortization Table
(monthly payment per \$1,000 of loan)

Rate	Years				
	10	15	20	25	30
5%	\$10.60	\$7.91	\$6.60	\$5.85	\$5.36
6%	\$11.10	\$8.44	\$7.16	\$6.44	\$6.00
7%	\$11.60	\$8.99	\$7.75	\$7.07	\$6.65
8%	\$12.10	\$9.56	\$8.36	\$7.72	\$7.34

$$\$8.99 \cdot 125 = \boxed{\$1,123.75 \text{ monthly payment}}$$