PICTURE DAY
THURS, 9 SEP

TODAY THRU OUT DAY
PRESENTATION ON
"MILLER PRIDE"

Sep 1-7:50 AM

FAVORITE COLOR?

1. RED
2. ORANGE
3. YELLOW
4. GREEN
5. BLUE
6. PURPLE

Sep 1-8:40 AM

RATE 'INCEPTION'

1 HATED IT

2

3

4

5 SAW IT 10 TIMES

Sep 1-8:42 AM

$\frac{5}{4} = ?$

Sep 1-8:44 AM

AP

UNITS 4 FUNDAMENTAL QUANTITIES

- LENGTH
- MASS
- TIME
- CHARGE (ELECTRIC)

FORCE = $\frac{MASS \cdot L}{T^2}$

WE USE UNITS TO MEASURE QUANTITIES

QUANTITY	UNITS
MASS:	GRAM, ~~POUND~~ SLUG
LENGTH:	METER, LIGHT YEARS, ASTRO UNITS, FEET, INCHES, YARDS, MILES, PARSEC
TIME:	SECONDS, MINUTES, HOURS, DAYS, YEARS, DECADE, CENT, MILLENIUM
CHARGE:	COULOMB

Sep 1-9:04 AM

P#5

$V^2 = 2ax^{?}$

VELOCITY ACCEL POSITION/LENGTH

$\left(\frac{L}{T}\right)^2 = \frac{L}{T^2} L^{P}$

$\frac{L^2}{T^2} = \frac{L \cdot L^{?}}{T^2}$

$\frac{L^{2}}{T^2} = \frac{L^{1+P}}{T^2}$ → $2 = 1 + P$

$P = 1$

$V^2 = 2ax^1$

Sep 1-9:15 AM

P#9 $T = 2\pi\sqrt{\frac{m}{k}}$

REWRITE IN FUND. QUANT.

$$T = \sqrt{\frac{M}{k}}$$

$$T^2 = \frac{M}{k}$$

$$kT^2 = M$$

$$k = \frac{M}{T^2}$$

THE DIMENSIONS OF k ARE $\frac{M}{T^2}$

Sep 1-9:20 AM