

BE-1 AND 1A TUESDAY 8-12-08

Convert to a decimal, then to a per cent:

① $\frac{3}{4}$

② $\frac{1}{7}$

Convert to a decimal:

③ 26%

④ 5.81%

Using mental math, find the products:

⑤ $34 \cdot 10$

⑥ $896 \cdot 100$

⑦ $1.62 \cdot 1000$

1.
Your grade $\Rightarrow$ A "weighted" average.

20% = homework, classwork, projects, etc.

30% = quizzes (short)

40% = exams (longer)

5% = ARE YOU PREPARED FOR CLASS (supplies, homework, etc.)

5% = ARE YOU WORKING IN CLASS

100%

2% = BONUS: ARE YOU IN YOUR SEAT WORKING
WHEN THE BELL RINGS

EX) 5 homeworks, 60%, 70%, 80%, 70%, 90% $\Rightarrow$ Avg. = 74%

5 quizzes, 80%, 90%, 95%, 100%, 90% $\Rightarrow$ Avg = 91%

2 EXAMS, 80%, 90% $\Rightarrow$ Avg = 85%

Assume you HAVE ALL your BPP points = 12%

$(74)(.20) = 14.8$ (out of 20 possible)

$(91)(.30) = 27.3$ (out of 30 possible)

$(85)(.40) = 34.0$ (out of 40 possible)

+ 12.0 (out of 12 possible)

88.1% GRADE = B

• NOTE $\Rightarrow$ GRADE = B if you lose all BPP points
 $\Rightarrow$ ZERO ON HOMEWORK $\Downarrow$ GRADE!

⊛ CONSTANT

A number, the value of a number never changes it always has the same value so it is called a constant

⊛ 4

⊛ 0

⊛ -3.6

⊛ $\frac{1}{2}$

⊛ $0.\overline{3}$

⊛ π

⊛ VARIABLE

A letter used to represent one or more possible number values, since its value may change or vary, it is called a variable.

⊛ x

⊛ E

💡 USE MEANINGFUL VARIABLE NAMES ! ! !

Area of rectangle
is length $\cdot$ width

$A = l \cdot w$ makes sense

$x = y \cdot z$ makes no sense

{A is not the same as a LOOK



$+$, $-$, $\cdot$, $\div$ these are symbols for the 4 basic math operations, so they are called operators.



Algebraic Expression

A math expression with ONE OR MORE NUMBERS AND VARIABLES AND operators

(EX)

$$3x$$

What is the 3 doing to the x ?

$$3 + x$$

$$4x - 3y$$

$$xy$$

What is the x doing to the y ?

$$5x$$

How many x 's are there?

$$x$$

How many x 's are there?

$x = 1x = 1 \cdot x$ The 1 is "understood", it is NOT normally shown

$$3abc \div 4d$$

$$\frac{2x}{y}$$

Homework: organize notes.