AIM: What will math class look like this year?

Name _____ Date _____

~~Ms. Brooks~~ Math ___ - Period _____

Warm-up:

DMSBR

1. Solve: 5 x 180 = 900

$$\overset{4}{1}80 \times 5 = 900 \quad \text{or} \quad 18 \times 5 = 900$$

2. Divide your answer to #1 by 40

$$40\overline{)900} \quad 900 - 80 = 100 \quad 100 - 80 = 20 \quad 22\tfrac{20}{40} = 22\tfrac{1}{2} = 22.5$$

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If we waste 5 minutes of class every school day, we would lose a total of 900 minutes over the whole school year. That is the same as losing 22.5 classes!

"Every single step you take can, and will change your future. Your whole life is unwritten. You're the author, make your story count."
~ Nishan Panwar

Warm-up

Fill in the blank with one of the following vocabulary words:

Quotient, Dividend, Divisor

- The divisor is the number you divide by. $8 \div 2 = 4$
- The answer to a division problem is called the quotient.
- The number that is divided by another number is called the dividend.

$8 \div 2 = 4$

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quotient

divisor) dividend

Write each word in the correct box.

Dividend
Divisor
Quotient

dividend ÷ divisor = quotient

÷ → $\frac{\text{dividend}}{\text{divisor}}$ = quotient

$\frac{1}{2} \rightarrow 1 \div 2$

$2\overline{)1}$

a) 7500 ÷ 30 (÷10)

750 ÷ 3

$3\overline{)750}$

250

-6↓

15

-15↓

00

250

CHECK: Use inverse (×)

quo • divisor = dividend

250 × 3 = 750 ✓

b) 28160 ÷ 4

$4\overline{)28,160}$

7040

-28↓

016

-16↓

00

7,040

CHECK: Use inverse (×)

7,040 × 4 = 28,160 ✓