

**Monday,
April 17**

1) $21x^{-7} \cdot 4x^8 =$

8.EE.1

2) What two integers is the $\sqrt[3]{200}$ between?

8.NS.2

3) Write the quotient in scientific notation.

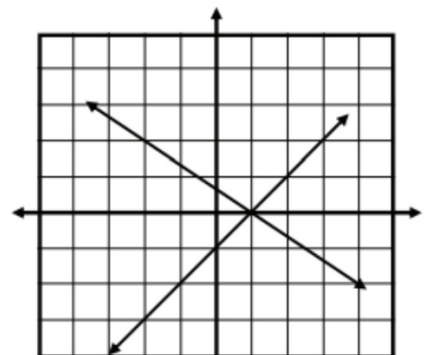
$$\frac{7.8 \times 10^8}{1.3 \times 10^5}$$

8.EE.4

4) A ladder leaning against a building is 26 feet long. If it touches the wall 24 feet above the ground, how far is the base of the ladder from the wall?

8.G.7

5) What is the solution to the system of equations shown in the graph below?



Monday,
March 21

$$\begin{array}{r} 36 \\ \times 6 \\ \hline 216 \end{array}$$

$$5^3 = 125$$

$$\begin{array}{r} 1.3 \overline{) 7.8} \\ \underline{13} \\ 78.00 \\ \underline{78} \\ 0 \end{array}$$

1) $21x^{-7} \cdot 4x^8 =$
 $21 \cdot 4 \cdot x^{-7} \cdot x^8 = 84x$

8.EE.1

2) What two integers is the $\sqrt[3]{200}$ between? **5 and 6**

$$\sqrt[3]{125} \quad \sqrt[3]{200} \quad \sqrt[3]{216}$$

$$5 < \sqrt[3]{200} < 6$$

8.NS.2

3) Write the quotient in scientific notation.

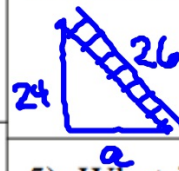
$$\frac{7.8 \times 10^8}{1.3 \times 10^5}$$

$$\frac{7.8}{1.3} \times \frac{10^8}{10^5}$$

$$\boxed{6 \times 10^3}$$

8.EE.4

4) A ladder leaning against a building is 26 feet long. If it touches the wall 24 feet above the ground, how far is the base of the ladder from the wall? **10 feet**



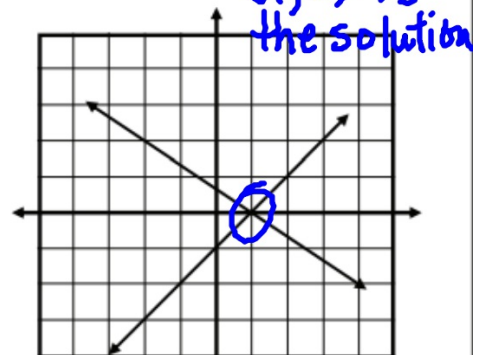
$$a^2 + b^2 = c^2$$

$$a^2 + 24^2 = 26^2$$

$$a^2 + 576 = 676$$

$$a^2 = 100$$

5) What is the solution to the system of equations shown in the graph below? **$a = 10$**



Welcome back! I hope you had a great break!

Today you will create a two-way frequency table after collecting information from the class about their spring break.

This is the information needed.

- who traveled out of state
- who traveled out of the country
- males and females

Create a frequency table with the information, then answer the following questions.

Questions

1) What is the ratio of males to females that traveled out of state? out of the country?

2) What is the percentage of students who remained in state?

3) Who traveled more males or females?
how do you know?

4) Where is a place you haven't traveled
but would like to and why?