FRACTIONS FEBRUARY SNOW DAY EXTRA!

Grade 6 Challenge

6A won the SRC Carnival contest and will get Pizza for lunch. If 14 of the students each eat about 1/3 of a pizza whereas the rest of the class will each get a sub, how many pizzas would be needed? Show your work to justify your answer.

Grade 7 Challenge

For a Renaissance Visit 7D received candy bars that can easily be broken into 8 equal square pieces. There are 27 students in 7D, and 4 candy bars plus ½ of another candy bar (left over from another class) were brought. Are there enough pieces for each student to have a square of the candy? Represent the fractional part that is left over as a decimal.

Grade 8 Challenge

From the World of Work! Everyone knows that we need lots of people to become trained mechanics. Here is a little math you would need as a mechanic. A $\frac{1}{4}$ inch nut advances $\frac{1}{20}$ inch for each complete turn. How far will this nut advance after 24 complete turns?

Hint – The fact that the nut measures $\frac{1}{4}$ inch is irrelevant.

School Wide Challenge

Three GSMS students (Alex, Bruce, and Chai) presented and won at the District STEAM fair. They divided the sum of money won according to the amount of work they did…the money will be split as follows:

a) Alex receives \$500 plus $\frac{1}{5}$ of what then remains;
b) Bruce then receives \$800 plus ¼ of what then remains;
c) Chai then receives the rest which is \$900

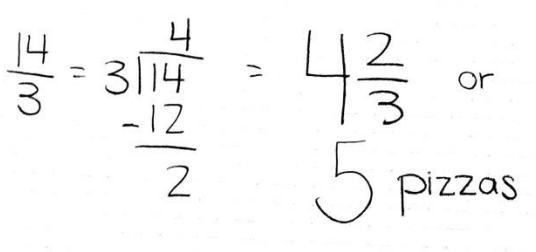
How much was the original sum? How received the most money?

Answers to Grade Level Challenge

Got it well Grade 6

3) 14/3 = 4 2/3 You can't buy portions of a pizza so **you must buy 5 pizzas**.

Possible justifications



Got it well Grade 7

Each bar can be broken into 8 pieces, therefor 4 bars x 8 = 32 pieces, ½ a bar would be 4 pieces.
32 + 4 = 36 pieces.
36-27= 9 pieces left over. This would be 1 and 1/8 or 1,125 Each bar is 8/8 all four bars would be 32/8 ½ a bar would be 4/8
36/8 pieces altogether.
36/8 -27/8= 9/8 or 1 1/8 or 1.125

Got it well Grade 8

$24 \times \frac{1}{20} = \frac{24}{20} = \frac{6}{5} = 1\frac{1}{5}$

The nut will advance $1\frac{1}{5}$ inches.

School wide challenge will be solved via DVA