New England Common Assessment Program

Student Work Samples
2013

Grade 6

Mathematics

⓫

$\frac{2}{10}$ $\frac{1}{5}$

11

$$\frac{12}{60} \qquad \frac{120}{600}$$

⓫

$\frac{12}{60}$ 0.012

⓬

48

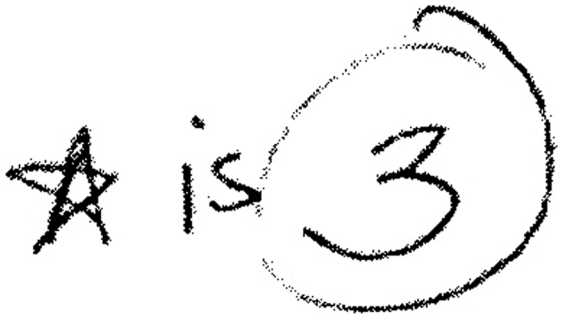
⓬

$\boxed{\star} \div \boxed{4} = \boxed{12}$

$12 \times 4 = 48$

$\boxed{\star = 48}$

⓬



13

60 second a minute 60 minutes an hour 24 hours day

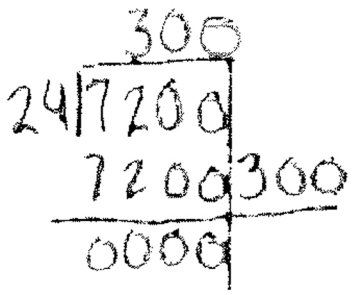
It will go around the earth 12 times a day.

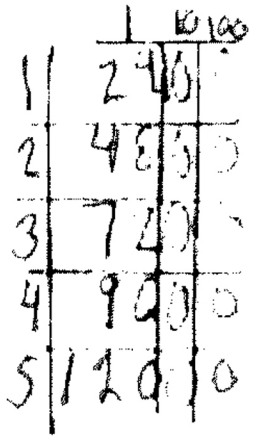
$$\begin{array}{r} 60 \\ \times\ 60 \\ \hline 3{,}600 \end{array} \qquad \begin{array}{r} 3{,}600 \\ \times\ \ 24 \\ \hline 86{,}400 \end{array} \qquad 7{,}200 \overline{)86{,}400} \quad \begin{array}{r} 12 \\ -86{,}400 \\ \hline 0 \end{array}$$

⓭

12

❶❸





Answer
300

14

a. This is not correct because if it was three times the number of seats than Smith Stadium has, that means that there would be 96,000 seats in Rocket Stadium. Rocket Stadium is only 2,000 seats more than Smith Stadium.

b. Tyler could change the graph to show that the two stadiums have about the same number of seats by instead of going by one thousand, he could go by ten thousand.

14

A It is not correct because the numbers on the side show it is only 2,000 above Smith and Smith is 32,000.

B. he could make the numbers closer together or he could start the graph at 0.

14

a. because it is 2 times the # of seats.

b. give smith stadiom 2 thausand more seats.

15

A. 2 small pizzas

5+5=10

+ 3

13+3=16

B. 1 Large pizza & 3 small pizza

Key

L = Large

P = Pizza

S = small

L	S	#
3	0	36
0	5	35
1	3	33
2	2	38

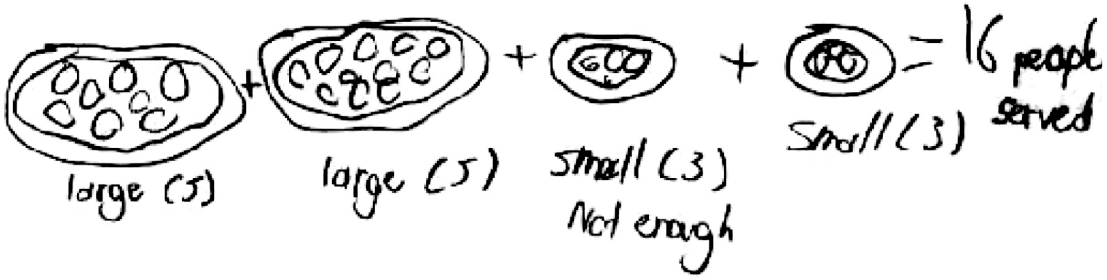
15

a. The fewest number of small pizzas Mr. Spencer can buy is 2. I know because 2 large pizzas serve only 10 people. Mr. Spencer still has to serve 4 people. 1 small pizza isn't enough because it only serves 3 people. Mr. Spencer doesn't want fractions so he has to buy a 2nd whole one.

b. Mr. Spencer would have to buy 5 small pizzas to spend the least amount of money to serve 14 people. I know because 5 small pizzas equal $35, 2 large and 2 small = $38, and 3 large = $36. $35 is the least.

15

A



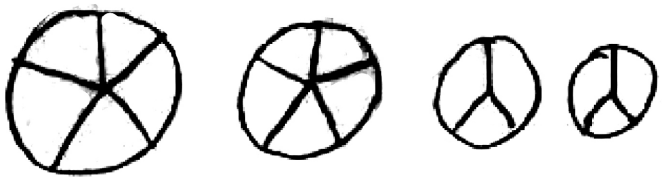
B

5 small pizzas = 15 people and $35

3 large pizzas = 15 people and $36

1 large and 3 smalls = 14 people and only $33

15

a: 

b.

he will need 1 lagre and three smalls.

15

a.) Mr. Spencer should buy two more small pizzas because he need 14 pieces of pizza. If he only bought more he would only have enough for 13 so he would need to buy two small pizzas. That what I think he should do

b) Mr. Spencer could buy 1 large pizza and 3 small pizzas because he wouldn't spend as much money. He owes $33. That is the least amount off money he could spend on pizzas.

15

$5+9=14$

a) Mr Spencer Could buy exactly 9 small pizzas

Mr Spencer Could buy 1 =5 Large Pizza and 3 =9 smalls pizzas

$5+3+3+3=14$

He would spend 33 $

$7 \times 3 = 21\$$

$12 \times 1 = 12\$$

$$\begin{array}{r} 21 \\ +\ 12 \\ \hline 33 \end{array}$$

15

A Mr Spencer need to buy 4 small Pizzas because you add 5+5=10 and 10+4=14

B Mr. Spencer spending the least amoont of money buying 2 Large Pizzas and 4 small ones.