New England Common Assessment Program

Student Work Samples
2013

Grade 7

Mathematics

11

$\frac{8}{11} < \underline{\underline{74}}\% < 75\%$

⓫

$$\frac{820}{1100}$$

⓫

$\frac{8}{11} < \frac{7}{10} < 75\%$

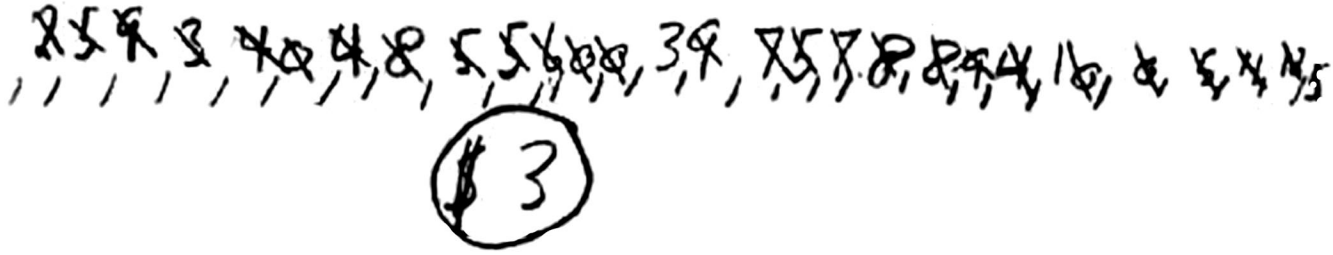
⓬

20, 29, 40, 44, 48, 50, 60, 60, 63, 69, 75, 79, 79, 94, 100, 100, 125

63 is the Median

⓬ #63

⓬



⓭

A: $y=11$

B: $y=x+(x+1)$

13

a.) $y=11$

b.) Every time x increases by one, y changes to the next odd number.

⓭

a. 10

b. $(x \cdot 2) + 1$

⓭

A= 13

B= it increases
while going up

14

65.1 miles, if the mean is the sum of all values divided by the number of values, then if you multiply the mean by the number of values you get the sum of all values.

14

$$\begin{array}{r} \times\ 2.1 \\ 31 \\ \hline 21 \\ 630 \\ \hline 65.1 \text{ miles} \end{array}$$

The total number of miles that nelly ran is 65.1 miles.

14

63.1, is how many miles she ran. I no this from the mean.

14

nelly ran a total of 55.8 miles in the month of July I got the mean (1.8) and then multiplyed it by 31 days and that is how I found my answer of

55.8 miles

14

$$\begin{array}{r} {}^{1}0.5 \\ 4.0 \\ 2.1 \\ +\ 1.8 \\ 1.5 \\ \hline 9.9 \end{array}$$

The total amount of miles that Nelly ran is 9.9 miles. I know that because you add all the distanses together to get your answer.

15

a.) 128 inches^2

b.) 640 inches^3

c. The length of the second shoe box is 16in. and the width is 10 in.

$10 \times 16 = 160$ in..

$160 \cdot 4$ in. $= 640$ in.^{3}

15

a. 16 X 8 = 128 square inches

b. 640 cubic inches

c. height = 4

length = 160

width = 1

$$\begin{array}{r} {}^{2}160 \\ \times\ 4 \\ \hline 640 \\ \times\ 1 \\ \hline 640 \end{array}$$

⓯

a.) 128

b.) 640

c.) L=40 W=4

15

a) 128 sq. in.

b) 640 cubic sq. in.

c)

W	L	H	T
8	16	5	640
9	16	4	576
8	17	4	544
8	18	4	576
9	18	4	648
10	16	4	640

15

(A) 128 square inches

(B) 16X5=80 cubic inches

(C) h=4 in. b=10 in W=2
=80 cubic inches

15

a. $16 \times 8 = 128$

128 square inches

b. 640 cubic inches

$128 \times 5 = 640$

base x height = volume

c. The width and length would have to be 24.

$640 \div 4 = 160$

$160 \div 2 = 80$ $80 \div 24 = 3.33$

15

Second box

A) 128

$$\begin{array}{r} 16 \\ \times\ 8 \\ \hline 128 \end{array}$$

B) 29 $8+16+5=29$

C)

width	length	inches
7	15	4
$\begin{array}{r} 8 \\ -1 \\ \hline 7 \end{array}$	$\begin{array}{r} 16 \\ -1 \\ \hline 15 \end{array}$	$\begin{array}{r} 5 \\ -1 \\ \hline 4 \end{array}$

15

a. 18 in.

b. 640 cubic inches.

c. 4 in. width, 7 in. length.

15

A

$$\begin{array}{r} 8 \\ +16 \\ +\ 5 \\ \hline 29 \end{array}$$

B

$$\begin{array}{r} {}^{2}16 \\ \times\ 5 \\ \hline 75 \end{array}$$

75 cubic inches

C

17 in = Lenght

8 in = width