New England Common Assessment Program

Student Work Samples
2006

Grade 6

Mathematics

11

$$\begin{array}{r} 5.50 \\ -\ 3.75 \\ \hline 1.75 \end{array}$$

11

$$\begin{array}{r} 3.75 \\ 5.50 \\ \hline 2.25 \end{array}$$

2.25

11

$$\begin{array}{r} {}^{4}\cancel{5}.15 \\ 3.\ 75 \\ \hline 1.85 \end{array}$$

1.85 Answer

⓬

150

⓬

It went from 200 to 330. It went up 130.

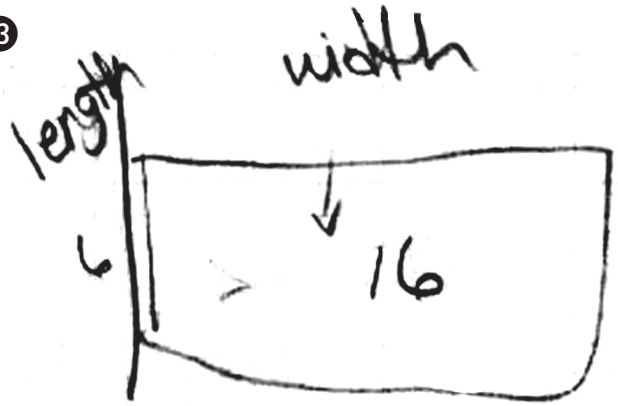
⓭

$8 \times 4 = 32$

$8+8+4+4=24$

24

13



area

12

answer: 24

13

$$\begin{array}{r} 32 \\ \times \quad 2 \\ \hline 64 \end{array}$$

The perimeter is 64 square Cenemeters

14

$25

$22
× 5
$110

20
40
15
+10
$85

$110
−85
$25

14

25

14

$$\begin{array}{r} {}^{1} \\ 20 \\ 40 \\ 15 \\ 10 \\ 15 \\ \hline 110 \end{array}$$

$$\begin{array}{r} 22 \\ 5\overline{)110} \\ \underline{10\downarrow} \\ 10 \\ \underline{10} \\ 0 \end{array}$$

Pottery class costs $15.00.

⓮ The cost of Pottery Class is $25.
I found a patern of $10 $15
$ 20 so I thought it would be
$ 25.

15

A.

$$\begin{array}{r} {}^{1}15\text{ oz.} \\ +15\text{ oz} \\ 6\text{ oz.} \\ \hline 36\text{ oz.} \end{array} \qquad \begin{array}{r} {}^{4}\text{ oz.} \\ \times 9\text{ cans} \\ \hline 36.\text{ oz} \end{array}$$

9 cans of corn will balance the scale.

B.

$$\begin{array}{r} {}^{2}15\text{ oz.} \\ \times\ 4 \\ \hline 60\text{ oz} \end{array} \qquad \begin{array}{r} 6\text{ oz.} \\ \times\ 8 \\ \hline 48 \end{array} \qquad \begin{array}{r} {}^{4}\text{ oz.} \\ \times\ 3 \\ \hline 12 \end{array}$$

$$\begin{array}{r} {}^{1}48 \\ +\ 12 \\ \hline 60\text{ oz.} \end{array}$$

He should put 8 tuna cans and 3 corn cans to balance the scale.

15 She needs 9 corn can to make it

A. balance because if you add all the soup and tuna you get 36oz. So 4x9 is 36 so you need 9 cans

B. He needs 6 cans of tuna and 6 cans of corn

15

$$\begin{array}{r} 15 \\ +15 \\ 6 \\ \hline 36\text{ oz} \end{array}$$

$$4\overline{)36} = 9$$

9 corn cans

6 corn cans

6 tuna cans

$$\begin{array}{r} 15 \\ 15 \\ +15 \\ 15 \\ \hline 60\text{ oz} \end{array}$$

60 oz

11 6

tuna

6

15 a. 9 corn cans

b. 6 tuna cans
6 corn cans

15

A

$$\begin{array}{r} 15 \\ \times\ 6 \\ \hline 36 \end{array}$$ ounces

$4\overline{)36}$ = 9

Suzi needs 9 corn cans.

B

$$\begin{array}{r} 15 \\ \times\ 4 \\ \hline 60 \end{array}$$ ounces

$4\overline{)60}$ = 15

$6\overline{)60}$ = 10

Nathan can put 10 tuna cans and 5 corn cans.

15 A. $15+15+6=36$

$4+4+4+4+4+4+4+4+4=36^{oz}$

So you would need 36 corn cans

B. $15+15+15+15=60^{oz}$

Nathan would need to put 5 tuna cans and 5 corn cans

15

a. 36 ounces on the left side so in order to make it the same with corn cans you need 4 corn cans to make it the same.

B. you would 8 corn cans and 8 tuna cans.