New England Common Assessment Program

Student Work Samples 2006

Grade 7

Mathematics

11

20 erasers for $3.00

11

15
x20
00
+300
300

He will be able to bie 19 and still have change for tax.

⓬

10 inches wide
9 inches
2 inches deep

⓬

1.5 inches deep
5 inches wide
6 inches high

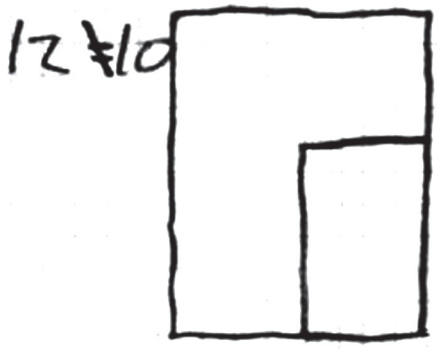
13

a 24 inches

b no

because $2 \times 4 = 8$

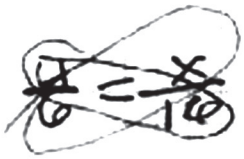
$2 \times 6 = 12$



⓭ 24 in

NO, because it has to be equal.

13

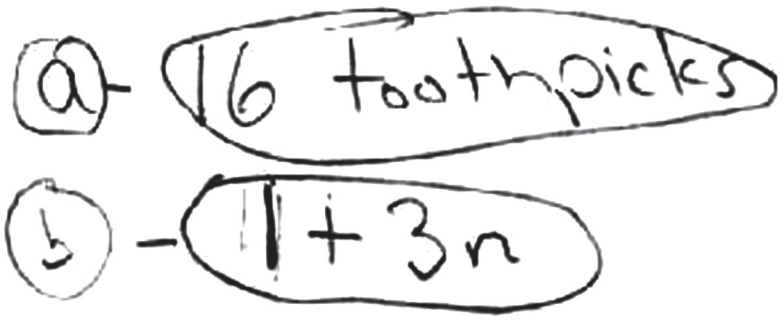
a.  $x = 10.\overline{66}$

b. No because 4 goes into 8, 2 times but 6 goes into ~~ten~~ a little more than 1 time.

⓭ A = 18 inches tall

B = yes because the length is still 10 inches more than the width

14



14 16

every square after one adds three to the total # of toothpicks

14

a. 17

b. + 4 every time

15

□ = 1acre

XX = grandchild 1
xx = grand child 2
NV = grand child 3
▨ = son

a = 2 acre

b - 2/12 of the acres
1/6 of the acres

⓯

a. $12 \div 2 =$ **6 acres to son**

6 acres left $\div 3 =$ **2 per grandchild**

b. They recieved $\frac{2}{12}$ or $\frac{1}{6}$

↓

2 acres out of 12 total

15

1/2 of 12 = 6

1/3 of 6 = 2

A. 2 acres

B. 1/6

15

grand kids got (two) Acres
they each got (1/6) of the land

15 (a) She gave 2 acres to each of her grandchildren.

$$2\overline{)12}\quad 6 \qquad -12 \qquad 0$$

$$3\overline{)6}\quad 2 \qquad -6 \qquad 0$$

(b) She gave her grandson 6 acres of land.

$$2\overline{)12}\quad 6 \qquad -12 \qquad 0$$

Half of twelve is six.

15

A. Each grandchild got 2 acres each

B. They got $\frac{1}{5}$ of the farm land.

15

there is 12 acres and 4 children

$4\overline{)12} = 3$ So each child gets

3 acres