New England Common Assessment Program

Student Work Samples
2009

Grade 6

Mathematics

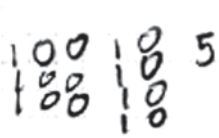
⓫

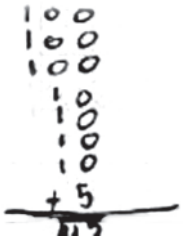
three thousand forty five

11

There are 3,045 blocks in the picture.

11





345

⓬

$$\begin{array}{r} 7 \\ \times\ 7 \\ \hline 49 \end{array} \qquad \begin{array}{r} 49 \\ \times\ 7 \\ \hline 343 \end{array}$$

1 goes into 343 343 times

343 times

⓬

343

⓬ 6 sides 6x7=42

42 inch cubs

13

A. $1\frac{3}{4}$ gallons.

B. 14 Full glasses of water.

⓭

a. 1 3/4

B. 14 glasses

⓭

A. 1 3/4 gallons

B 1 6/8 gallons

⓭

They drank 14 full glasess
of water that day.

⓭

$a = 1\frac{1}{4}$ gallons

$b = 4$

14

a. 13

B. Lisa's statement is incorrect Because the oldest 6 grader is 12, and the yongest 4th grader is 8 so the range would be 4 and at the park the range was 13.

14

A. 1_14 years old.

B. Lisa is incorrect because the average 6th grader is 11 or 12 and the average 4th grader is 9 or 10 so a range of 9_12 isn't bigger than 1-14.

14

A. 6 -14

B. She is wrong because thier are only ages 9-12 in 4-6 grade and that is only 4 ages and their are 9 different ages at the park.

The range of the twelve children is 13.

14

14
1
13

14

A.9
B. Incorrect Lisas School doesnt add up to the parks range

15

A. Figures 2 and 5

B. It has 1 pair of parllel sides.

C. It is a triangle. It has 1 obtuse angle.

15

a. 2, 5

b One pair of lines are parralell

C · it is a triangle
· there are no right angles

15

a 5 and 6

b it has one right angle

C It has 3 sides
It has an obtuse angle

15

a.) Figure 2 and Figure 5

b.) the Figure has one pair of pairilel sides.

c.) #1. it has 2 acute angles.
#2. it has one obtuse angle.

15

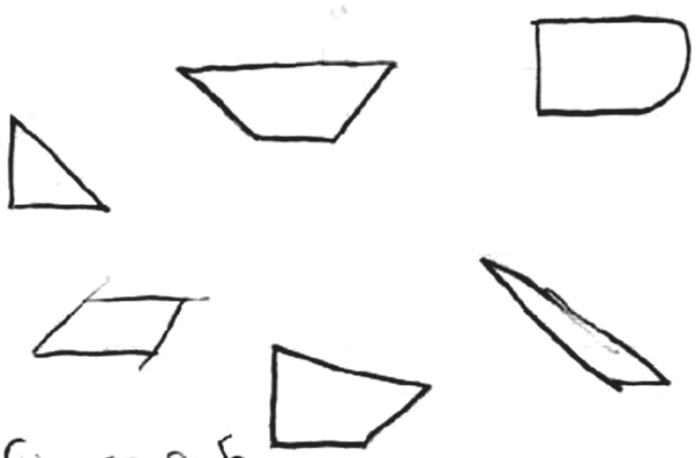
Figure 2 and Figure 4. I Know this because a polygon is a 4 sided figure and they both have 4 sides, they both have at least at least 1 obtuse angle, and they both have exactly 1 pair of congruent sides

A 4th clue could be that The are of it has to be 17 sq cm, and that would Knock out figure 2.

The 2 clues could be:

- its a triangle
- one of the angles is obtuse

15



a. figure 2,5

b. one side has 8 squares.

15

a 4 and 2

b

all lines are same length

c 1. one strait line.

2. 2 line going to left.