New England Common Assessment Program

Student Work Samples 2006

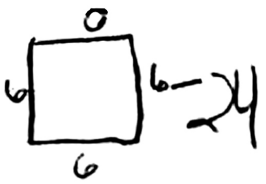
Grade 5

Mathematics

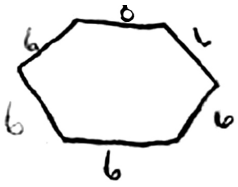
⓫ I think that Fletcher should shade in 15 boxes gray to represent the fraction of Vermont that is forest.

⓫ Fletcher should shade three squares because $\frac{3}{4}$ means 3 out of 4.

⓬



$= 24$



$= 36$

⓬

Karen used 6 tooth picks per side there were
6 sides 6 x 6 = 36 36 tooth picks

⓬

$$\begin{array}{r} {}^{1}2\,4 \\ +\;\;6 \\ \hline 3\,0 \end{array}$$

30 Toothpicks

⓭ a. triangular prism

b. rectangular prism

⓭ (A) Jacks mystery solid is letter P.

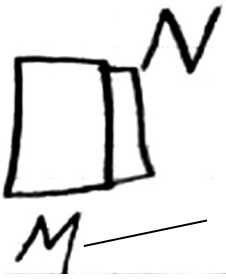
(B) Danies mystery solid is lettero.

13 Jack's mystery solid: P - triangular prism

Diane's mystery solid: Q - triangular pyramid

⓭

Jack:

Diane: 

⓭

Diane's mystery solid is Q
Jack's mystery solid is M.

14

all bags on grain = 100 (6) x 5 = 30

100
+ 30
130

6 more bags

14

6 I counted the bags and multiplied

14

$$\begin{array}{r} {}^{1}20 \\ +30 \\ +25 \\ 25 \\ \hline 100 \end{array} \qquad \begin{array}{r} 130 \\ -100 \\ \hline 030 \end{array}$$

$\begin{array}{r} 130 \\ 100 \end{array}$

30 bags of Popcorn

14

$$\begin{array}{r} 1\overset{2}{\cancel{3}}6 \\ -\quad 5 \\ \hline 125 \end{array}$$

5 bags

(Guess, because not sure How to Figure out)

⓯

A. (4). 4+4+4=12. 4×3=12.

B (16). If 1 star = 4, than the answer is 4. Now the problem looks like this.
?-2=4. 6-2=4. So if the heart = 6, then 4+6+6=(16).

⓯

= 4 Because 4 + 4 + 4 = 12

= 6 Because 6 − 2 = 4

⓯

A. $4+4+4=12$

B. $4+\square+\square=18$

6 6

⓯

a 4

b 16

⓯ A. $12 \div 3 = 4$ (stars)

B $3 + 2 = 5$ (hearts)

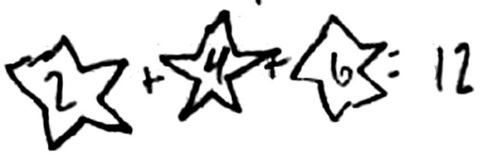
15

a. ☆ = 4

B. ☆☆☆ + ♡♡ = 20

⓯

the Star represents $2 \cdot 4 + 6 = 12$ becaus $2+4+6=12$



the Value of 2 hartes + 1 star = 12

$$\begin{array}{r} 6 \\ -14 \\ \hline 12 \end{array}$$