



**NEW ENGLAND
COMMON ASSESSMENT PROGRAM**

**Student Work Samples
2011**

Grade 5

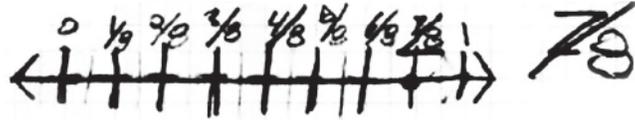


Mathematics

11

$$\frac{7}{8}$$

11



11

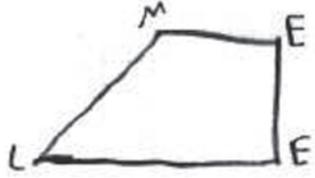
.875

.125 \times dot on line 7 =
.875

12



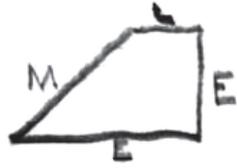
12



12



12

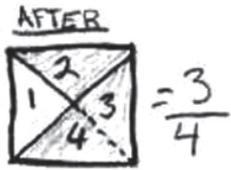


13

All of the parts must be equal in size.

$$\frac{3}{4}$$

13



Dylan forgot that the parts are not equal so instead of coloring in $\frac{2}{3}$ he colored in $\frac{3}{4}$.

13

He did not color $\frac{2}{3}$ gray.

$$\frac{3}{4}$$

13

a. Dylan didn't make the parts equal.

b. $\frac{1}{4}$

13

A There is no mistake in Dylan's explanation

$$B. \frac{2}{3}$$

13

A: He shaded it wrong because he shaded $\frac{1}{2}$

B: $\frac{1}{5}$

14 40 because Rocky beach and Newfield's are 1 inch apart which is 20 miles and Newfield and Beach Park are 3 inches apart which is 60 miles, but you minus the twenty miles and you get 40.

14

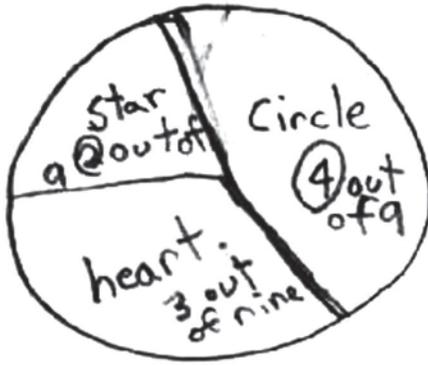
20 miles from Newfield to Rocky Beach
60 miles from Beach Park to Newfield.

60
-20

30 miles ← answer

14

$$2\frac{1}{8}$$



Malana

- A. 2 out of 9 (not likely)
- B. 6 out of 9 (quite likely)

Kelly



C. 4 out of 9 (quite likely)

$$\begin{array}{r}
 3 \text{ (star)} \\
 + 2 \text{ (circle)} \\
 \hline
 5
 \end{array}
 \qquad
 \begin{array}{r}
 9 \text{ (cards)} \\
 - 5 \\
 \hline
 4 \text{ heart}
 \end{array}$$

15

$$a. \frac{2}{9}$$

$$b. \frac{6}{9}$$

c.



$$\frac{4}{9}$$

- a) The student's answer is correct.
 b) The student's answer is correct.
 c) The student's answer is correct, with sufficient explanation given.

because it said star was $\frac{3}{9}$ and there was only 1 star so I added to more star making it $\frac{3}{9}$ and it said circle was less than $\frac{3}{9}$ and we had $\frac{2}{9}$ so the last were hearts making it $\frac{4}{9}$.

15

$$a. \frac{2}{9} \quad b. \frac{7}{9}$$

$$c. \frac{4}{9}$$



15

A. 2 out of 9

B. 7 out of 9

C. 4 out of 9 because it

says the probability of Malana to pick a star is 3 out of 9 and the cards show 1 star so 2 of the facedown cards must be a star.

Then it says that the probability for a circle is less than a star so none of the facedown cards are a circle. The other two facedown cards must be hearts so 2 hearts + 2 hearts equals 4.

15

A = $\frac{2}{9}$ ^{malama} of a chance

B = $\frac{6}{9}$ of a chance

Kelly

C = $\frac{3}{9}$ of a chance

9 cards
- 6 not hearts

3 hearts

3/9 chance

15

a. The probability is low because she only has 2 stars and 4 circles

b. It is high because there is 1 heart and 4 circles.



15

a. 2 out of 9 $\frac{2}{9}$

b. 3 out of 6 = $\frac{1}{2}$

c. 3 out of 9 $\frac{3}{9}$

Because one heart was face down and I saw the other heart face up in the cards above it and there were 3 hearts and 9 cards altogether so the probability is 3 out of nine.

15

- (A) 20% for a star picked.
- (B) 60% not to pick a heart.
- (C) The probability that Kelly star on it is not 3 out of 9.

Picking a circle is not less than picking a star.

15

a. 2

b. 6

c. 3

because there are 3 cards of hearts.