



**NEW ENGLAND  
COMMON ASSESSMENT PROGRAM**

**Student Work Samples  
2007**

**Grade 6**



# Reading

7

In order to get from one place to another people use maps. When you use a map, you use it to find many things. You use a compass rose on a map to find direction. North, East, South, and West are the most commonly used directions. Directions are important to people when they are trying to get from one place to another because they show you which way to go. You look at a map with a birds eye view. When you look down on a map, you can predict how far away you are from your destination. Maps help you find places you need to find and have very helpful uses.

7

People go place to place by using a compass rose and directions from the map. Captains and pilots use maps to navigate ships and planes. People use maps to plan trips or go to a house or a restaurant. Maps tell people where to and turn. Maps use landmarks to tell where things are. We use maps to measure distance from where we are, between the point we go to. Maps help us to get to a certain place. Maps show us where we are and where we have to go in a state or continent.

7

People use maps to get from one place to another by looking at the map, finding the key and legend to find any marks to see if they can find their destination. This is how people get from one place to another by using maps.

7

They look at where they are  
are on when<sup>map</sup> then they go the direction  
it tells them to go.

7

People use maps by putting them  
in their glove compartments of their  
car in their purses people can bring  
maps to get anywhere!

A map of my school would start out with a compass rose to show where the rooms according to North, South, East and West. It would be from a birds-eye view. I would show where every room was and I would label each one neatly. I would use landmarks to show where rooms are compared to other rooms and to mark the distance or direction from place to place. I would make my map on graph paper to make it easier for the reader to see the distance between every room. I might count my steps between each classroom to see what distance exactly they are apart so I could mark that on my map. To finish it all off I would put a key or legend on the map so the reader would know what all the symbols on my map meant.

If I made a map of my school, I would draw the whole school, including the janitor's closets. I would draw the school many times smaller on my map, but everything would be to scale. I think it is important to make maps to scale because it is clearer to the reader of the map how big everything really was. I would also include a key, which would explain what the different symbols I used meant, and it would also explain how big everything was (for example, 1 cm = 10 m.). I would also include a compass, which would tell the reader where our school was.

12

Some information I would use on my map of the school is, I would make a key, or legend, explaining what the symbols on my map mean. I would also include a compass rose. I would label key points of my school, like the office, or the library. I would show the gym and the lunch-room.

12 I would like to include a compass rose, a map key, symbols like stars or squares for different places like the office or bathroom. I would also like to use a big red X to tell you where my homeroom class is.

12

I would include all doors, all classrooms,  
the playground the lunchroom, library.

12

The maps are different  
in all sorts of ways



# Mathematics

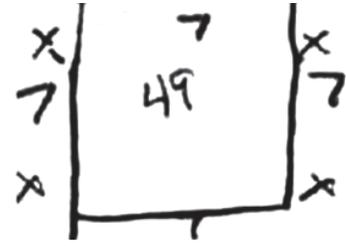
11

Perimeter = 28 feet

11

28 feet is the perimeter

$$28 =$$



11

7 feet by 7 feet

11

$$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array} \quad 28 \text{ft.}^2$$

12

60, 40, and 20

$$5 \times 4 = 20$$

$$+ 20$$

$$\hline 40 + 20 = 60$$

12

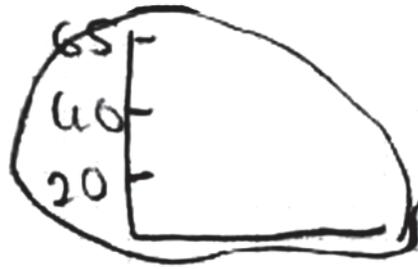
20,40.60

12

$$5 \times 4 = 20$$

$$4 \times 10 = 40$$

$$4 \times 15 = 65$$



12

20 inches in 5 minutes. So  
60 in 15 minutes

13

Each picture adds one vertical line of three dots in the middle, but the end dots stay the same. There will be 62 dots in step 20.



20 rows of 3 dots.

$$20 \times 3 + 2 = 62$$

13

62

$$\begin{array}{r} 1 \\ 48 \\ + 14 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 16 \\ \times 3 \\ \hline 48 \end{array}$$

13

Step 20



⑬

62 because you add 3 every step.

13

62

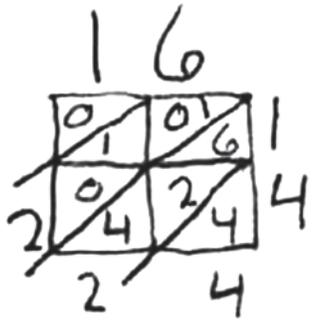
13

\*Add 3\*

5 dots = Step 1    20 step  
                          5 dots  
                                    
                          100

there will be  
100 dots in step  
20.

13



= answer 224 dots



14

12 kids voted chocolate, 6 kids voted for vanilla, and 6 kids vote straw  
Because chocolate is 50% and 50% of 24 = 12 and the other half must be 12 but it's divided equally in the middle



14 12 = chocolate    6 = vanilla    6 = strawberry

$24 \div 2$  (because chocolate is  $\frac{1}{2}$ ) = 12 then  $\frac{1}{2} \div 2$  or  $12 \div 2$   
 $2 = 6$  (because the other two flavors were  $\frac{1}{4}$  or  $\frac{1}{2}$  of  $\frac{1}{2}$ )



14

For Chocolate it is 50%  
For the Vanilla and Strawberry is 25%.



14

12 People likes chocolate  
6 people likes vanilla and  
6 people likes Strawberry



14

Strawberry = 20%  
vanilla = 20% of the class  
chocolate = 50%



14

The chocolate was the  
highest vote out of all.



15

Milton had the greatest  
rainfall,

$$\begin{array}{r} 34.09 \\ 3.35 \\ \hline 0.74 \end{array}$$

Southport has .74  
more inches of rain  
than Fairview.

$$\begin{array}{r} 3.35 \\ 0.80 \\ \hline 4.15 \end{array}$$

The actual April  
rainfall in Fairview  
would be 4.15 inches.



15

a. Southport

b. 0.74

c. 4.15

$$\begin{array}{r} 34.09 \\ - 30.35 \\ \hline 3.74 \end{array}$$

$$\begin{array}{r} 1 \\ 3.35 \\ + 0.8 \\ \hline 4.15 \end{array}$$



15

the town with the greatest rain fall was milton.

the difference between fairview and south port is .74 of a inch

The actual rain fall was 4.15 work at the bottom

$$\begin{array}{r} 3.35 \\ + 0.80 \\ \hline 4.15 \end{array}$$



15

a. Milton

b. 1 in. 9

↓

c. 3.35

$$\begin{array}{r} + .80 \\ \hline 4.15 \end{array}$$



15

a.  $\frac{1}{2}$

b.  $0.74$

c.  $4.15$



15

The one with the greatest Rain Fall is  
Southport.

It is bigger by 0.74 inches

Carview would be 343



15

A. Crawford

B. 7.4

C. 6.3