



**NEW ENGLAND
COMMON ASSESSMENT PROGRAM**

**Student Work Samples
2007**

Grade 6



Mathematics

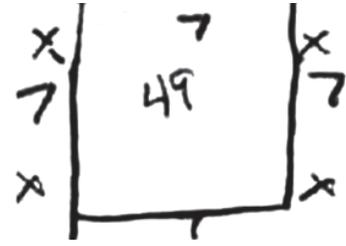
11

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

$$5 \times 4 = 20$$

$$4 \times 10 = 40$$

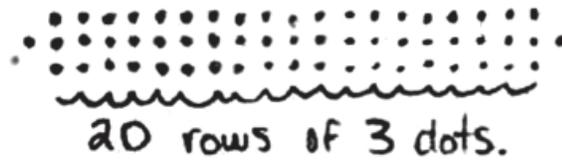
$$4 \times 15 = 65$$



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.



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

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

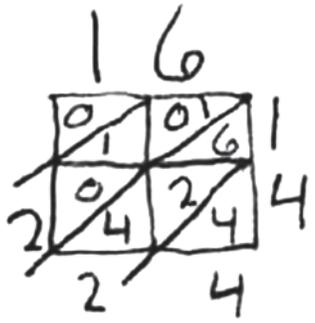
⑬

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