



**NEW ENGLAND
COMMON ASSESSMENT PROGRAM**

**Student Work Samples 
2010**

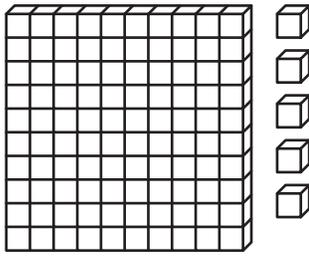
Grade 3



Mathematics



11 Look at these blocks.



Key
 represents 1

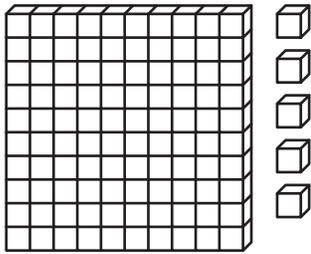
What number is 10 **less** than the number shown by these blocks? $90 + 5 = 95$

95

$$100 - 10 = 90$$



11 Look at these blocks.



Key
 represents 1

What number is 10 **less** than the number shown by these blocks?

90



- 12 Lucy gave Grant 36 cents. She gave him the **fewest** coins possible. Show or name the set of coins Lucy gave Grant.





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QDP

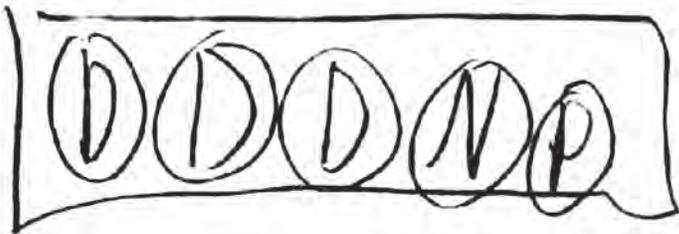


- 12 Lucy gave Grant 36 cents. She gave him the **fewest** coins possible. Show or name the set of coins Lucy gave Grant.

quarter and a dime and
a penny



- 12 Lucy gave Grant 36 cents. She gave him the **fewest** coins possible. Show or name the set of coins Lucy gave Grant.

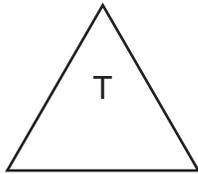
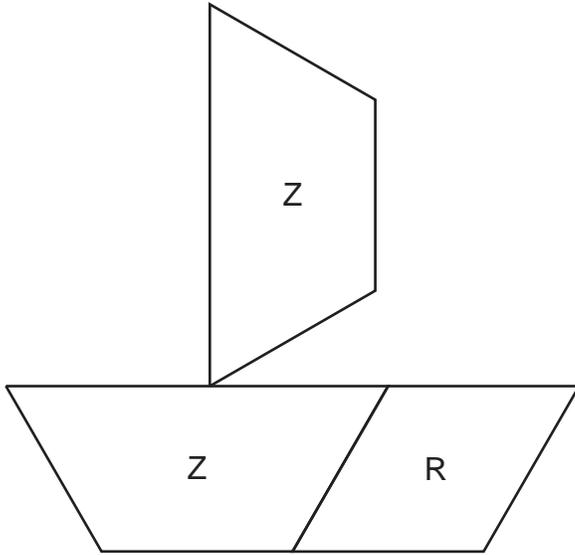


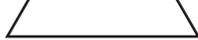


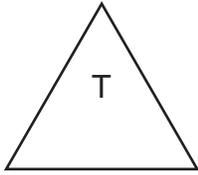
- 12 Lucy gave Grant 36 cents. She gave him the **fewest** coins possible. Show or name the set of coins Lucy gave Grant.

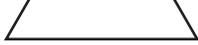
DDDNP

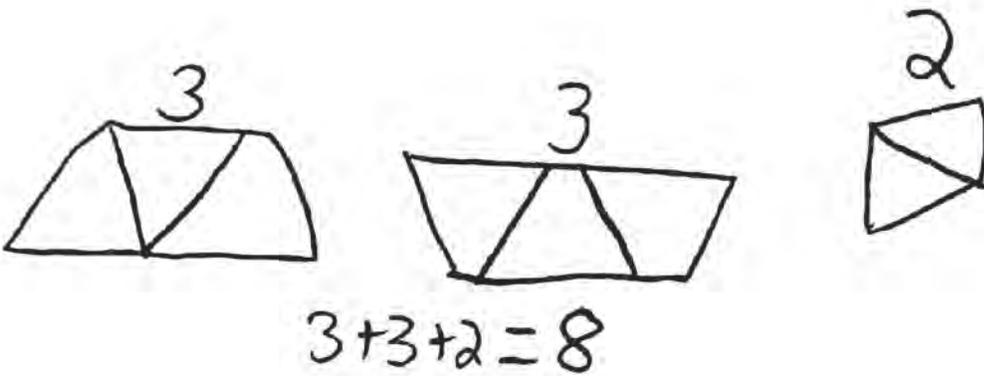
13 Oliver used some shapes to make this picture. 

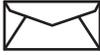


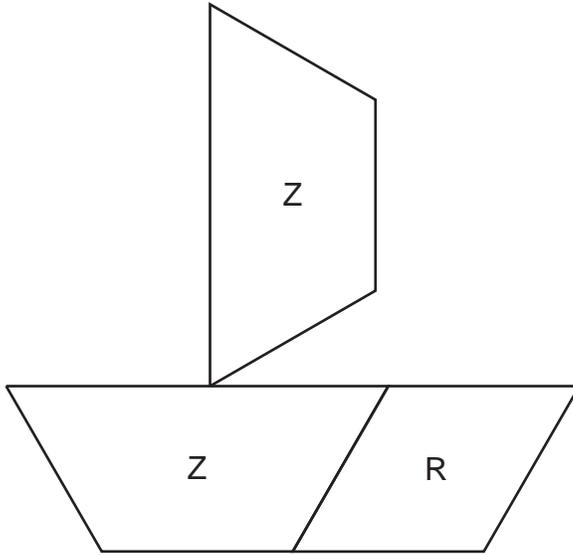
Oliver used only  to cover this picture without any gaps or overlaps.

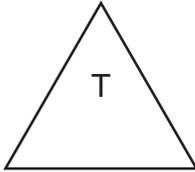


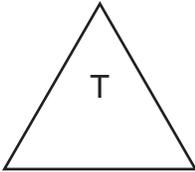
How many  did he use?



13 Oliver used some shapes to make this picture. 



Oliver used only  to cover this picture without any gaps or overlaps.

How many  did he use?

16



14 Look at this chart.

	Grade 3	Grade 4	Grade 5	Total
Boys	4	6	5	15
Girls	9	4	12	25

- a. The total number of girls in the Art Club is 10 **more** than the total number of boys. What is the total number of girls?

25 cause
 $15 + 10 = 25$

- b. How many **Grade 5** girls are in the Art Club?

12 cause
if you have 13 $10 + 10 = 20$ and $2 + 3 = 5$ so
 $20 + 5 = 25$.



- 14 Look at this chart.

Art Club

	Grade 3	Grade 4	Grade 5	Total
Boys	4	6	5	15
Girls	9	4		

- a. The total number of girls in the Art Club is 10 **more** than the total number of boys. What is the total number of girls?

There are 25 girls in the art club

- b. How many **Grade 5** girls are in the Art Club?

There are 12 grade 5 girls in the art club



14 Look at this chart.

Art Club

	Grade 3	Grade 4	Grade 5	Total
Boys	4	6	5	15
Girls	9	4	10	23

a. The total number of girls in the Art Club is 10 **more** than the total number of boys. What is the total number of girls?

b. How many **Grade 5** girls are in the Art Club?

There are 10 girls
in Grade 5.



14 Look at this chart.

Art Club

	Grade 3	Grade 4	Grade 5	Total
Boys	4	6	5	15
Girls	9	4		

a. The total number of girls in the Art Club is 10 **more** than the total number of boys. What is the total number of girls?

25

b. How many **Grade 5** girls are in the Art Club?

0



14 Look at this chart.

Art Club

	Grade 3	Grade 4	Grade 5	Total
Boys	4	6	5	15
Girls	9	4		

a. The total number of girls in the Art Club is 10 **more** than the total number of boys. What is the total number of girls?

24

b. How many **Grade 5** girls are in the Art Club?

10

- 15 This clock shows the time Randy went to the park.



- a. At what time did Randy go to the park?

3:45

Randy stayed at the park for 30 minutes.

- b. At what time did Randy leave the park?

4:15

15 This clock shows the time Randy went to the park.

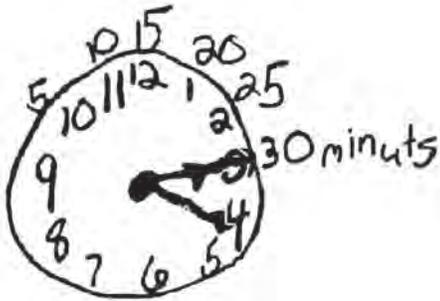


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- a. At what time did Randy go to the park?

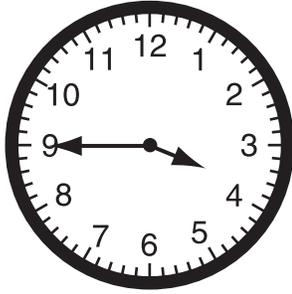
4:45

Randy stayed at the park for 30 minutes.

- b. At what time did Randy leave the park?

5:15

- 15 This clock shows the time Randy went to the park.



- a. At what time did Randy go to the park?

9:15

Randy stayed at the park for 30 minutes.

- b. At what time did Randy leave the park?

6:30

- 16 Mrs. Taylor wants to buy one picture frame. These are the sizes and colors she can choose from.

Size	Color
Small	Black
	White
Large	

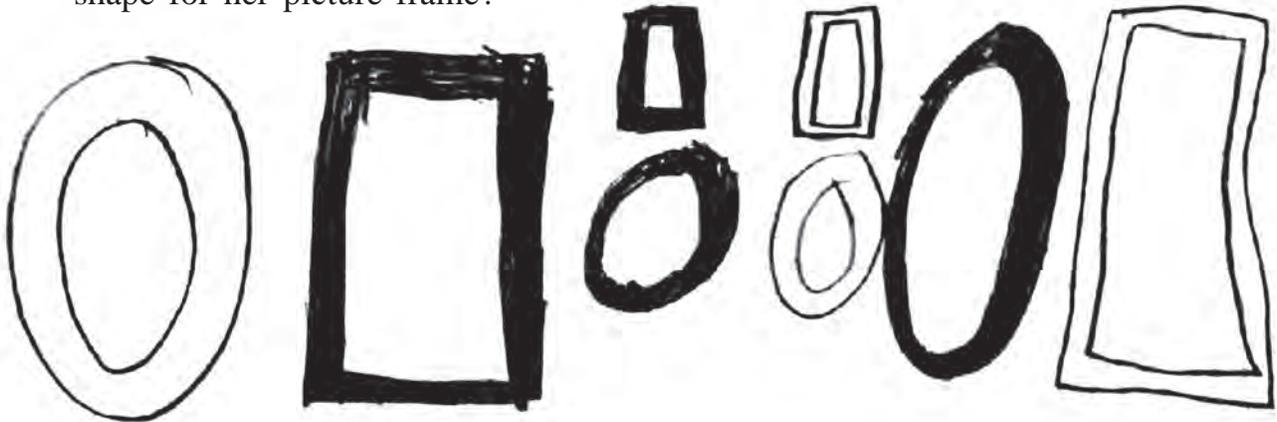
- a. Show **all** the different ways Mrs. Taylor can choose one size and one color for her picture frame.



Mrs. Taylor can also choose one shape for her picture frame. These are the shapes she can choose from.

Shape
Circle
Rectangle

- b. How many different ways can Mrs. Taylor choose one size, one color, and one shape for her picture frame?



- 16 Mrs. Taylor wants to buy one picture frame. These are the sizes and colors she can choose from.

Size	Color
Small	Black
Large	White

- a. Show **all** the different ways Mrs. Taylor can choose one size and one color for her picture frame.

1. small black
2. small white
3. large black
4. large white

Mrs. Taylor can also choose one shape for her picture frame. These are the shapes she can choose from.

Shape
Circle
Rectangle

- b. How many different ways can Mrs. Taylor choose one size, one color, and one shape for her picture frame?

She can choose from 8 different ones.

- 16 Mrs. Taylor wants to buy one picture frame. These are the sizes and colors she can choose from.

Size	Color
Small	Black
Large	White

- a. Show **all** the different ways Mrs. Taylor can choose one size and one color for her picture frame.

Black frame with a small,
white frame with a large.
Black with a Large,
white with a small

Mrs. Taylor can also choose one shape for her picture frame. These are the shapes she can choose from.

Shape
Circle
Rectangle

- b. How many different ways can Mrs. Taylor choose one size, one color, and one shape for her picture frame?

Black with small with circle.
white with small with circle.
Black with large with rectangle.
white with large with rectangle.

- 16 Mrs. Taylor wants to buy one picture frame. These are the sizes and colors she can choose from.

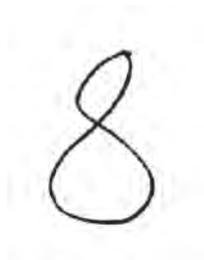
Size	Color
Small	Black
Large	White

- a. Show **all** the different ways Mrs. Taylor can choose one size and one color for her picture frame.

Mrs. Taylor can also choose one shape for her picture frame. These are the shapes she can choose from.

Shape
Circle
Rectangle

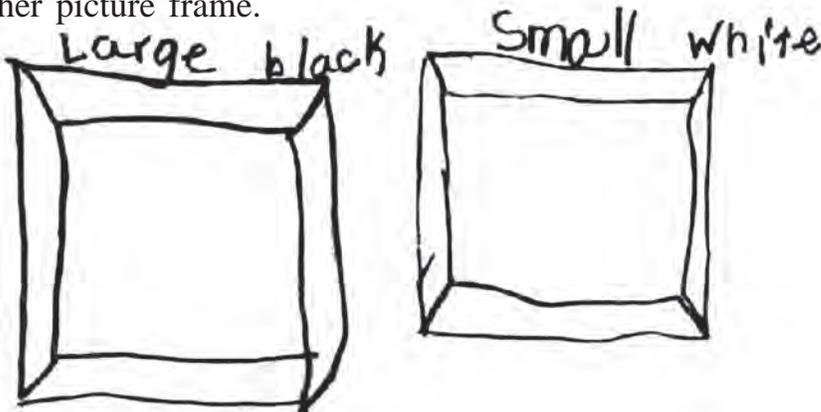
- b. How many different ways can Mrs. Taylor choose one size, one color, and one shape for her picture frame?



- 16 Mrs. Taylor wants to buy one picture frame. These are the sizes and colors she can choose from.

Size	Color
Small	Black
Large	White

- a. Show **all** the different ways Mrs. Taylor can choose one size and one color for her picture frame.



Mrs. Taylor can also choose one shape for her picture frame. These are the shapes she can choose from.

Shape
Circle
Rectangle

- b. How many different ways can Mrs. Taylor choose one size, one color, and one shape for her picture frame?

$$\begin{array}{r} +1 \\ 1 \\ \hline 2 \end{array}$$