



**NEW ENGLAND  
COMMON ASSESSMENT PROGRAM**

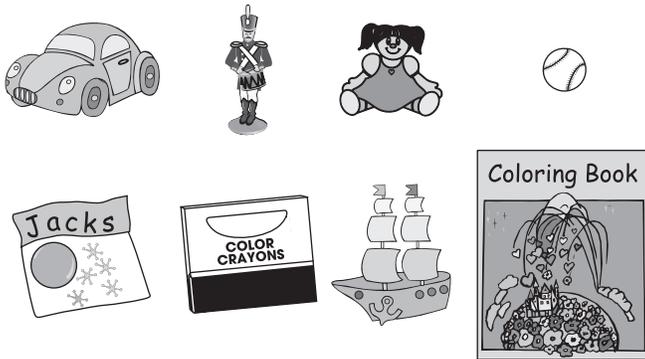
**Student Work Samples  
2007**

**Grade 4**



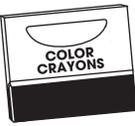
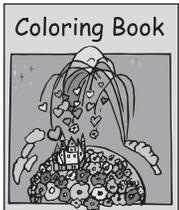
# Mathematics

11 Each child picked two toys from this set of toys.



Travis picked the  and the .

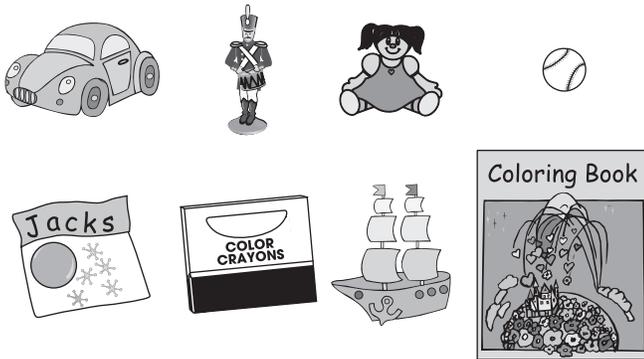
Pat picked the  and the .

Jerry picked the  and the .

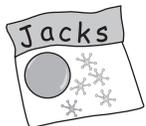
What **fraction** of the set of toys is left over?

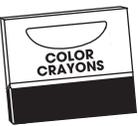
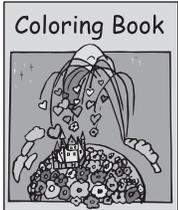
$$\frac{2}{8}$$

11 Each child picked two toys from this set of toys.



Travis picked the  and the .

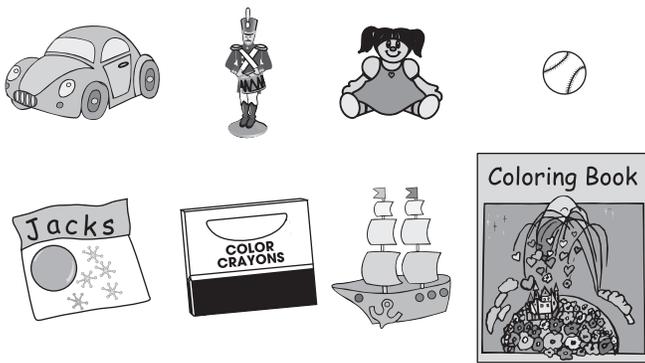
Pat picked the  and the .

Jerry picked the  and the .

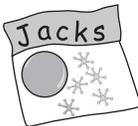
What **fraction** of the set of toys is left over?

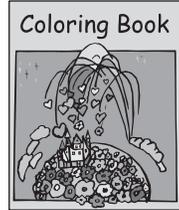
the car, baseball are left

11 Each child picked two toys from this set of toys.



Travis picked the  and the .

Pat picked the  and the .

Jerry picked the  and the .

What **fraction** of the set of toys is left over?

$$\frac{2}{6}$$



- 12 A class needs to earn 100 stars to have a pizza party. The class earned 27 stars in March and 32 stars in April. How many more stars does the class need to earn to have a pizza party?

They need forty-one more to win one.



- 12 A class needs to earn 100 stars to have a pizza party. The class earned 27 stars in March and 32 stars in April. How many more stars does the class need to earn to have a pizza party?

$$\begin{array}{r} 27 \\ + 32 \\ \hline 59 \end{array}$$

$$\begin{array}{r} 09 \\ \del{100} \\ - 59 \\ \hline 041 \end{array}$$

41



- 12 A class needs to earn 100 stars to have a pizza party. The class earned 27 stars in March and 32 stars in April. How many more stars does the class need to earn to have a pizza party?

59 because

$$\begin{array}{r} 27 \\ +32 \\ \hline 59 \end{array}$$

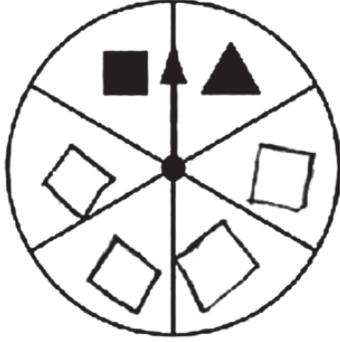


- 12 A class needs to earn 100 stars to have a pizza party. The class earned 27 stars in March and 32 stars in April. How many more stars does the class need to earn to have a pizza party?

73

Because  $73 + 27 = 100$

13 Look at this spinner.



Use  and  to complete the four empty sections in the spinner so that the arrow is **most likely** to land on a .

13 Look at this spinner.



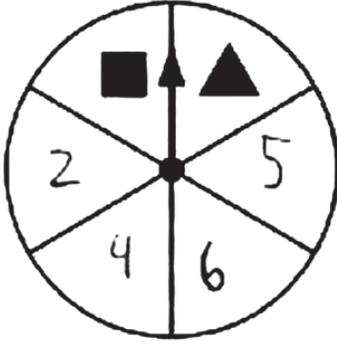
Use ▲ and ■ to complete the four empty sections in the spinner so that the arrow is **most likely** to land on a ■.

13 Look at this spinner.



Use  and  to complete the four empty sections in the spinner so that the arrow is **most likely** to land on a .

13 Look at this spinner.



Use ▲ and ■ to complete the four empty sections in the spinner so that the arrow is **most likely** to land on a ■.

14 Mary, Ed, Rob, and Lilly are all reading the same book. Last week,

- Mary read  $\frac{1}{2}$  of the book,
- Ed read  $\frac{2}{4}$  of the book,
- Rob read  $\frac{1}{3}$  of the book, and
- Lilly read  $\frac{2}{3}$  of the book.

a. Pick two people from this list. Write a sentence that compares how much these two people read. Use the words “more than,” “less than,” or “the same” in your sentence.

Mary read the same as Ed  
Ed did because  $\frac{1}{2}$  is the same  
as  $\frac{2}{4}$

b. Pick two other people from the list. Write a sentence that compares how much these two people read. Use the words “more than,” “less than,” or “the same” in your sentence.

Lilly read more than Rob  
because  $\frac{2}{3}$  is more than  $\frac{1}{3}$ .

14 Mary, Ed, Rob, and Lilly are all reading the same book. Last week,

- Mary read  $\frac{1}{2}$  of the book,
- Ed read  $\frac{2}{4}$  of the book,
- Rob read  $\frac{1}{3}$  of the book, and
- Lilly read  $\frac{2}{3}$  of the book.

a. Pick two people from this list. Write a sentence that compares how much these two people read. Use the words “more than,” “less than,” or “the same” in your sentence.

Mary Read less than than Lilly

b. Pick two other people from the list. Write a sentence that compares how much these two people read. Use the words “more than,” “less than,” or “the same” in your sentence.

Ed Read greater than Rob

14 Mary, Ed, Rob, and Lilly are all reading the same book. Last week,

- Mary read  $\frac{1}{2}$  of the book,
- Ed read  $\frac{2}{4}$  of the book,
- Rob read  $\frac{1}{3}$  of the book, and
- Lilly read  $\frac{2}{3}$  of the book.

a. Pick two people from this list. Write a sentence that compares how much these two people read. Use the words “more than,” “less than,” or “the same” in your sentence.

Ed read  $\frac{2}{4}$  of the book, which is  $\frac{1}{2}$  more than Mary has read.

b. Pick two other people from the list. Write a sentence that compares how much these two people read. Use the words “more than,” “less than,” or “the same” in your sentence.

Rob read  $\frac{1}{3}$  less than Lilly.

14 Mary, Ed, Rob, and Lilly are all reading the same book. Last week,

- Mary read  $\frac{1}{2}$  of the book,
- Ed read  $\frac{2}{4}$  of the book,
- Rob read  $\frac{1}{3}$  of the book, and
- Lilly read  $\frac{2}{3}$  of the book.

a. Pick two people from this list. Write a sentence that compares how much these two people read. Use the words “more than,” “less than,” or “the same” in your sentence.

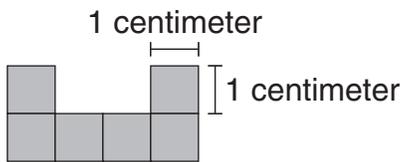
Mary read less than Rob.

b. Pick two other people from the list. Write a sentence that compares how much these two people read. Use the words “more than,” “less than,” or “the same” in your sentence.

Ed read more than Lilly.



15 Look at this shape.



a. What is the perimeter of the shape?

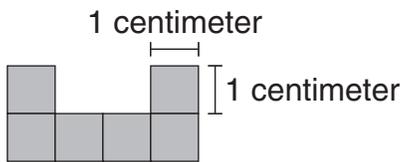
14 centimeters

b. Explain what perimeter means.

Perimeter means  
the distance around any  
shape.



15 Look at this shape.



a. What is the perimeter of the shape?

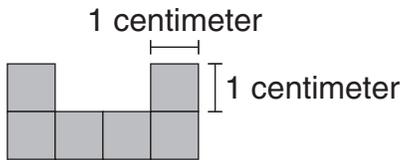
13 centimeters

b. Explain what perimeter means.

The perimeter means  
the distance around an  
object.



15 Look at this shape.



a. What is the perimeter of the shape?

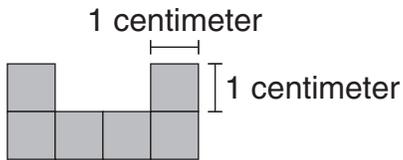
14 centimeters

b. Explain what perimeter means.

The Sides



15 Look at this shape.



a. What is the perimeter of the shape?

6 centimeters

b. Explain what perimeter means.

perimeter means out side  
of a shape

- 16 Holly started this table to show how much money she earns walking dogs. Holly always earns the same amount of money for each dog she walks.

**Money Earned  
Walking Dogs**

Number of Dogs Walked	Money Earned
2	\$ 4.00
4	\$ 8.00
6	\$12.00
8	\$16.00
10	
12	
14	

- a. Complete the table.

~~\$20.00~~  
~~\$24.00~~  
~~\$28.00~~

- b. How much money will Holly earn if she walks 13 dogs?

\$26.00

- 16 Holly started this table to show how much money she earns walking dogs. Holly always earns the same amount of money for each dog she walks.

**Money Earned  
Walking Dogs**

<b>Number of Dogs Walked</b>	<b>Money Earned</b>
2	\$ 4.00
4	\$ 8.00
6	\$12.00
8	\$16.00
10	20.00
12	24.00
14	28.00

- a. Complete the table.

3 would be six

- b. How much money will Holly earn if she walks 13 dogs?

13 would be 26.00

- 16 Holly started this table to show how much money she earns walking dogs. Holly always earns the same amount of money for each dog she walks.

**Money Earned  
Walking Dogs**

Number of Dogs Walked	Money Earned
2	\$ 4.00
4	\$ 8.00
6	\$12.00
8	\$16.00
10	\$20.00
12	\$24.00
14	\$28.00

- a. Complete the table.

4, 8, 12, 16, 20, 24, 28, 32, 36, 40  
~~2, 4, 6, 8, 10, 12, 14, 16, 18, 20~~

- b. How much money will Holly earn if she walks 13 dogs?

\$52.00

- 16 Holly started this table to show how much money she earns walking dogs. Holly always earns the same amount of money for each dog she walks.

**Money Earned  
Walking Dogs**

Number of Dogs Walked	Money Earned
2	\$ 4.00
4	\$ 8.00
6	\$12.00
8	\$16.00
10	
12	
14	

- a. Complete the table.

10 | \$18.00  
12 | \$22.00  
14 | \$26.00

- b. How much money will Holly earn if she walks 13 dogs?

\$24.00

- 16 Holly started this table to show how much money she earns walking dogs. Holly always earns the same amount of money for each dog she walks.

**Money Earned  
Walking Dogs**

<b>Number of Dogs Walked</b>	<b>Money Earned</b>
2	\$ 4.00
4	\$ 8.00
6	\$12.00
8	\$16.00
10	\$ 20.00
12	\$ 22.00
14	\$ 26.00

a. Complete the table.

b. How much money will Holly earn if she walks 13 dogs?

22 dollars

- 16 Holly started this table to show how much money she earns walking dogs. Holly always earns the same amount of money for each dog she walks.

**Money Earned  
Walking Dogs**

Number of Dogs Walked	Money Earned
2	\$ 4.00
4	\$ 8.00
6	\$12.00
8	\$16.00
10	<del>\$22.00</del>
12	<del>\$28.00</del>
14	<del>\$34.00</del>

a. Complete the table.

b. How much money will Holly earn if she walks 13 dogs?

\$25.00