

Practicing for the TerraNova



How can this booklet help?

A note to families

In the booklet you hold now, there is a practice version of the TerraNova. This test ties together the concepts and skills the student has learned in this year's *McGraw-Hill Mathematics*, using a format similar to the TerraNova.



What should I know about the TerraNova?

This booklet will help you get ready for the TerraNova. The TerraNova is a test to see how much you have learned.

Here is what you do:



Bubbles

A computer scores the TerraNova. You will fill in bubbles to answer questions.

- Fill in the bubble completely.
- Make your marks dark.
- If you make a mistake, be sure to erase it all.



Correct	Incorrect	Incorrect	Incorrect	Incorrect
<input type="radio"/> 2	<input type="radio"/> 2	<input type="radio"/> 2	<input type="radio"/> 2	<input type="radio"/> 2
<input type="radio"/> 5	<input type="radio"/> 5	<input type="radio"/> 5	<input type="radio"/> 5	<input type="radio"/> 5
<input checked="" type="radio"/> 7	<input checked="" type="radio"/> 7	<input checked="" type="radio"/> 7	<input checked="" type="radio"/> 7	<input checked="" type="radio"/> 7
<input type="radio"/> 9	<input type="radio"/> 9	<input type="radio"/> 9	<input type="radio"/> 9	<input type="radio"/> 9

How should I do the questions?

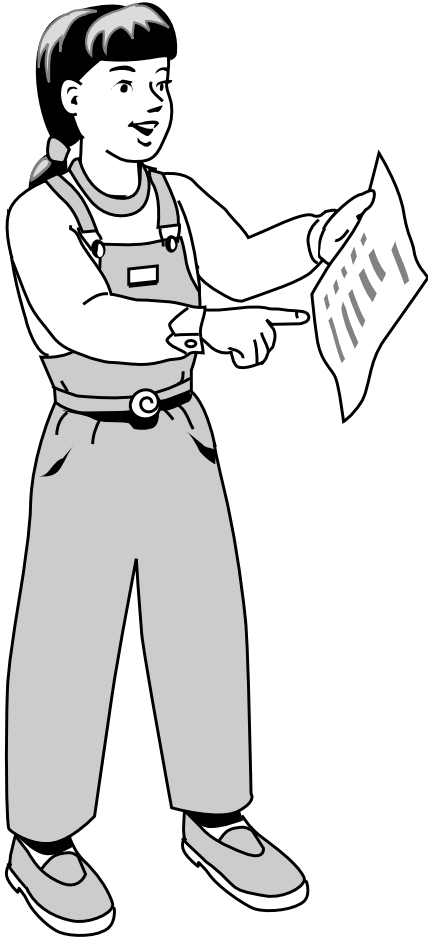
What number is the same as ninety-three?

- ☐ 39
- ☐ 93
- ☐ 903
- ☐ 930

- Read the problem.
- Write your work in the white spaces on your paper.
- Check your work.
- Look for the answer that is the same as yours.
- Fill in the bubble.



How can I check my work?



Ask these questions:

- Did I use the right information?
- Does my answer make sense?
- Did I answer the question?
- Did I do the math correctly?
- Did I fill in the bubble correctly?

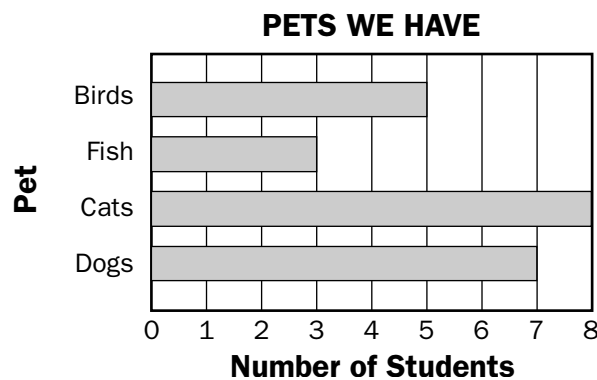
Jasmine has 9 pairs of shorts, 8 T-shirts, and 8 pairs of jeans. How many pairs of shorts and jeans does she have?

- ☐ 16
- ☐ 17
- ☐ 21
- ☐ 25

Preparing for the TerraNova

A multiple-choice test can be the easiest kind of test. Why? Because you know that one of the choices is the right answer. All you have to do is figure out which one it is.

❶ How many students have birds?



- ☐ 13 *5 students*
- ☐ 8
- ☐ 5
- ☐ 3

Check that you found the correct data in the table.

Sometimes one of the answers doesn't make sense. Eliminate that choice right away.

❷ It took Mr. Cox 2 hours to get home. He got home at 4:30. At what time did he leave?

- ☐ 2:30 **Write it all out:**
- ☐ 3:00 *2 hours before 4:00*
- ☐ 3:30 *is 2:00.*
- ☐ 4:30 *2 hours before 4:30 is 2:30.*

If your answer is not given, check the numbers you copied.

Practicing TerraNova Questions

- ❶ Lew had 14 packs of seeds. He gave 5 packs to his friends. Which number sentence could you use to find how many packs of seeds Lew has left?

- ☐ $14 + 5 = \square$
- ☐ $5 + 14 = \square$
- ☐ $14 - 5 = \square$
- ☐ $\square - 14 = 5$

- ❸ There are 29 students in Mrs. O'Hara's class. Which shows how many tens and ones?

- ☐ 2 tens 4 ones
- ☐ 29 tens
- ☐ 2 tens 9 ones
- ☐ 9 tens 2 ones

Make sure you understand the question.

- ❷ Name the shape.



- ☐ triangle
- ☐ square
- ☐ rectangle
- ☐ circle

Write in the white space when you're working on a problem.

- 4** Of the 50 students who are going on the field trip, 36 are already on the bus. How many students still need to get on the bus?

☐ 4
☐ 14
☐ 24
☐ 86

Estimate to see if your answer makes sense.

- 5** A store has 4 rows of fish tanks with 5 tanks in each row. How many tanks are there in all?

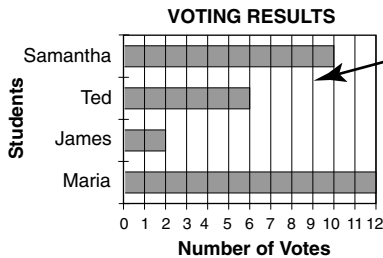
☐ 3
☐ 11
☐ 20
☐ 25

- 6** Mr. Martinez has 11 students that take flute lessons from him each Monday. One Monday, 2 of his students did not take lessons. How many students did Mr. Martinez teach on that Monday?

☐ 3
☐ 4
☐ 9
☐ 15

Sometimes it helps to draw a picture or a diagram.

- 7 The second graders in Ms. Balfour's class voted for their class officers. They recorded their votes in this bar graph.



Check that you used the correct data from the graph.

How many votes did Maria get?

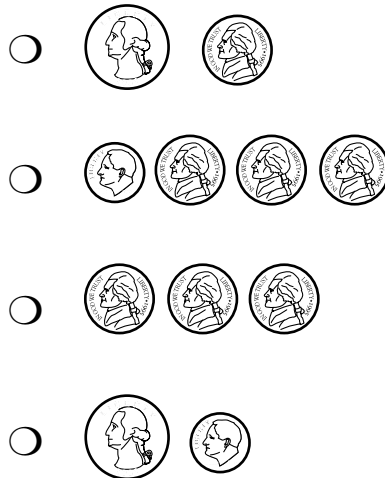
- ☐ 4
- ☐ 6
- ☐ 12
- ☐ 18

- 8 Miki has the following coins in her pocket.



Use the picture. Cross out 60¢, and count how much is left.

She buys a snack for 60¢. Which set of coins shows how much money she has left?



Check, please.

Before turning in the test, go back one last time to check.

- ☐ I filled in 1 bubble for each question.
- ☐ I checked all my math.
- ☐ My answers make sense.

Practice TerraNova: Grade 2

Name: _____

Date: _____

Sample A

Eva has 9 baseball cards. Josh has 14 baseball cards. How many baseball cards do Eva and Josh have in all?

- ☐ 19
- ☐ 24
- ☐ 5
- ☐ 23

Sample B

Mark has these coins in his pocket.



How much more money does he need to buy a candy bar for 25¢?

- ☐ 3¢
- ☐ 7¢
- ☐ 8¢
- ☐ 4¢

Part I:
15 minutes

1 $58 + 21 =$

- ☐ 78
- ☐ 79
- ☐ 88
- ☐ 89

2 $12 + 34 =$

- ☐ 55
- ☐ 46
- ☐ 66
- ☐ 56

3 $77 + 66 =$

- ☐ 133
- ☐ 131
- ☐ 141
- ☐ 143

4 $62¢ - 32¢ =$

- ☐ 30¢
- ☐ 34¢
- ☐ 54¢
- ☐ 50¢

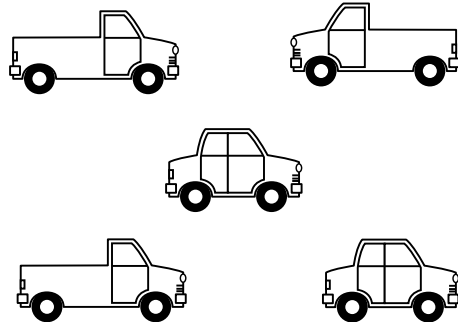
5 $75 - 4 =$

- ☐ 35
- ☐ 31
- ☐ 71
- ☐ 70

6 $32 - 17 =$

- ☐ 15
- ☐ 25
- ☐ 39
- ☐ 24

7



How many trucks are in the picture?

- ☐ 8
- ☐ 7
- ☐ 3
- ☐ 1

In which month is the 17th a Wednesday?

May

<i>Sun</i>	<i>Mon</i>	<i>Tues</i>	<i>Wed</i>	<i>Thurs</i>	<i>Fri</i>	<i>Sat</i>
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

July

<i>Sun</i>	<i>Mon</i>	<i>Tues</i>	<i>Wed</i>	<i>Thurs</i>	<i>Fri</i>	<i>Sat</i>
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June

<i>Sun</i>	<i>Mon</i>	<i>Tues</i>	<i>Wed</i>	<i>Thurs</i>	<i>Fri</i>	<i>Sat</i>
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

August

<i>Sun</i>	<i>Mon</i>	<i>Tues</i>	<i>Wed</i>	<i>Thurs</i>	<i>Fri</i>	<i>Sat</i>
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

- ☐ May
- ☐ June
- ☐ July
- ☐ August

218**216****222****220**

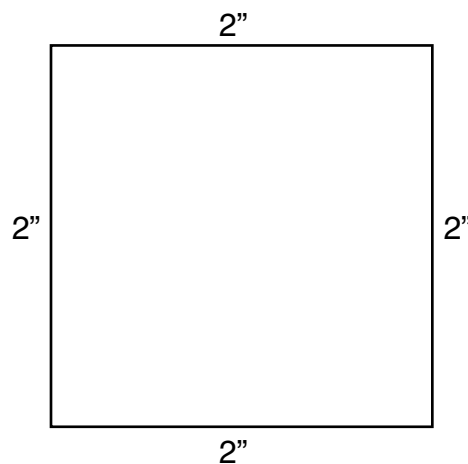
Luke ordered some cards from greatest to least. Which group of cards shows the correct order?

- ☐ 216, 218, 220, 222
- ☐ 218, 216, 222, 220
- ☐ 222, 220, 218, 216
- ☐ 222, 216, 218, 220

10


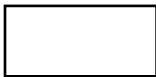


What is the perimeter of the square?

- ☐ 2
- ☐ 4
- ☐ 6
- ☐ 8

**11**

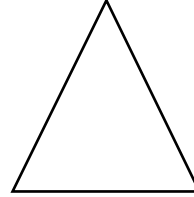
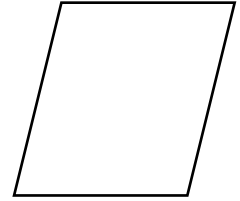
Look at the pattern. Which shape comes next?



- ☐ 
- ☐ 
- ☐ 
- ☐ 

12

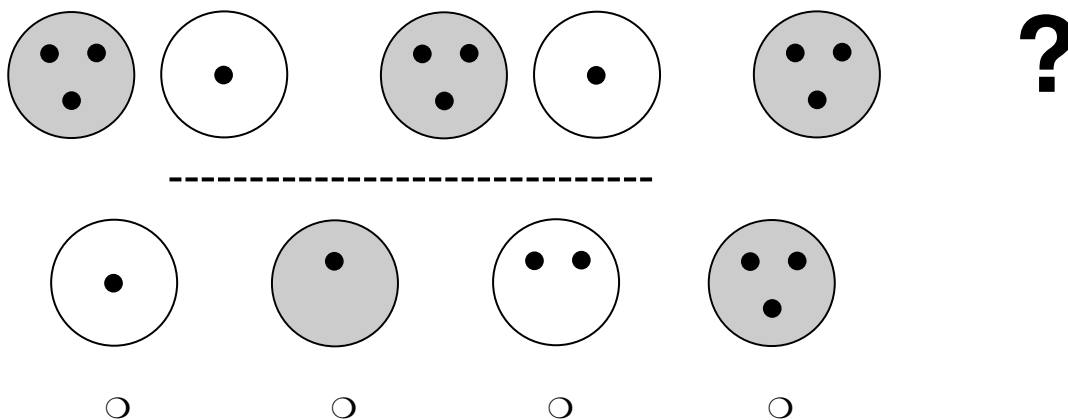
Which shape is a square?

☐☐☐☐***STOP!******Wait for your teacher to tell you to begin Part II.***

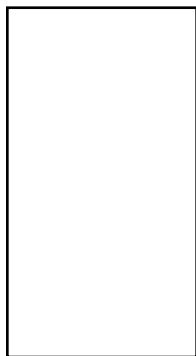
Part II

45 minutes

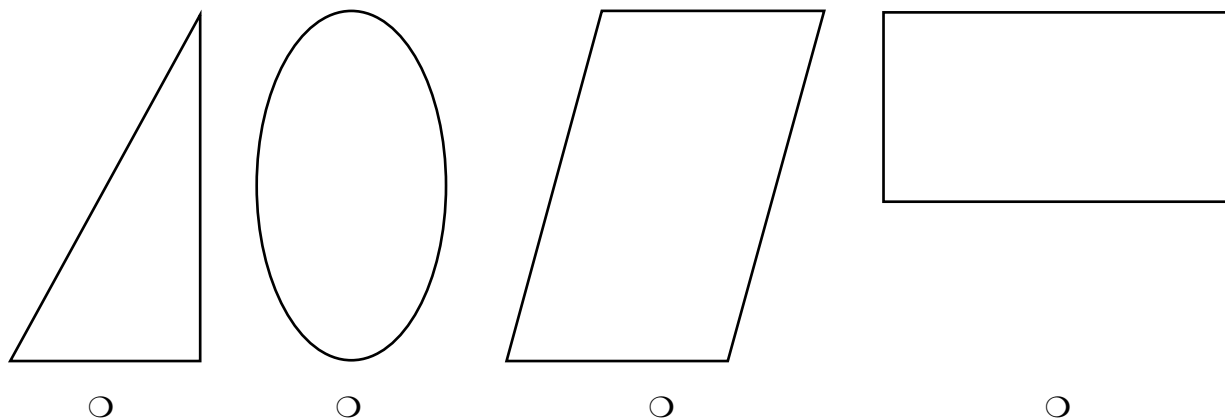
- 13** Complete the pattern.



- 14** Look at this shape.



Which is the same size and shape?



15

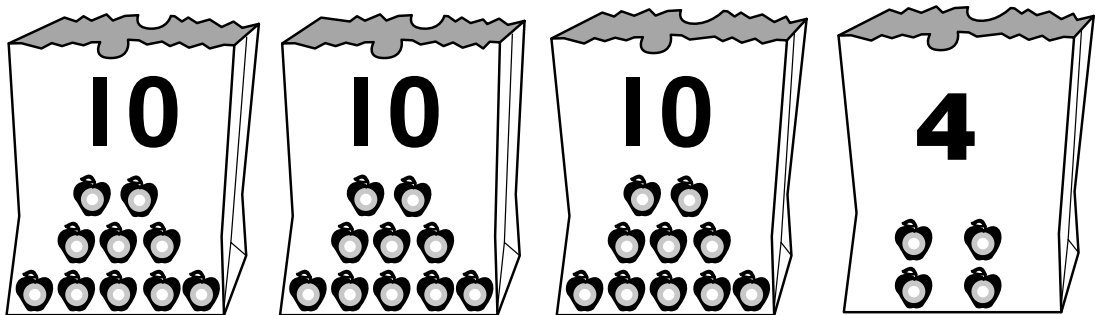
Look at the chart. What is the number shown?

Hundreds	Tens	Ones
III	IIII II	IIII

- ☐ 753
- ☐ 573
- ☐ 357
- ☐ 375

16

Look at the picture.

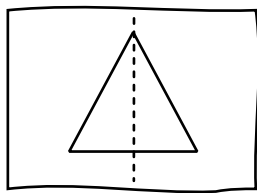
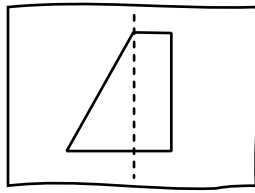
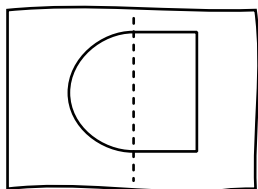
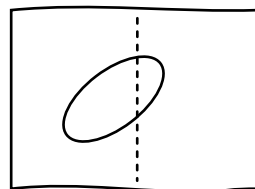


Which of these shows how many apples are in the sacks?

- ☐ $10 + 10$
- ☐ $3 + 3 + 3 + 1$
- ☐ $10 + 10 + 10 + 4$
- ☐ $1 + 1 + 1 + 1$

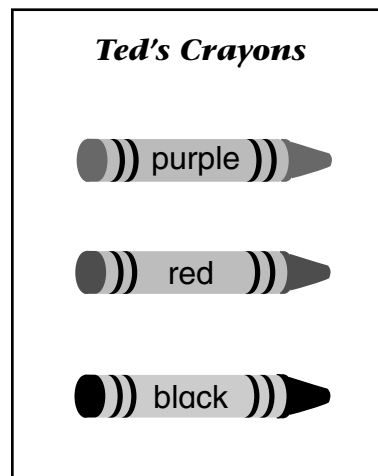
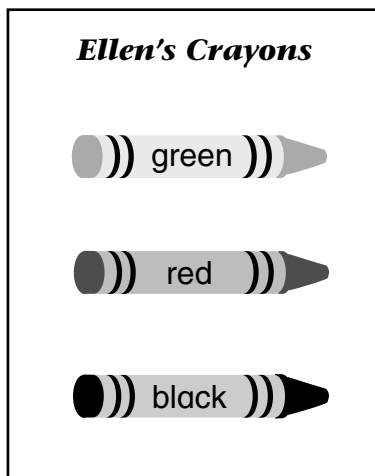
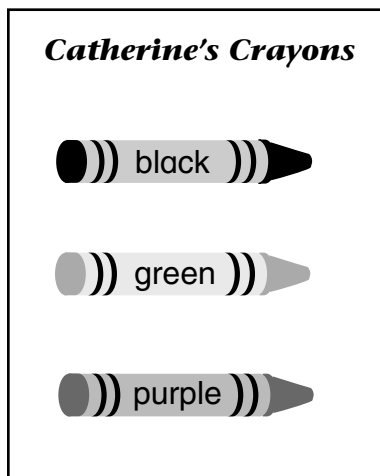
17

Each of these shapes will be folded along the dotted line.
Which one will be folded exactly in half?


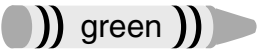


☐☐☐☐

TIME TO COLOR

Use the crayon boxes to answer numbers 18, 19, and 20.




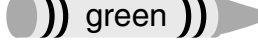
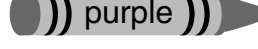
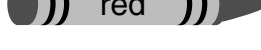
18 Which color crayon is in all three crayon boxes?

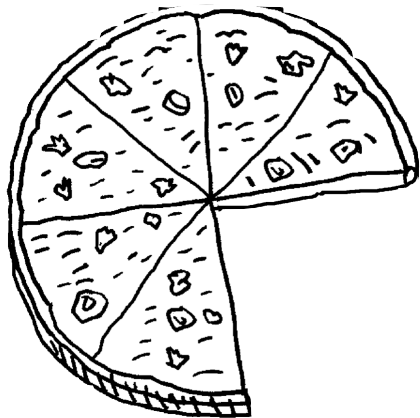
- ☐ 
- ☐ 
- ☐ 
- ☐ 

19 Together, Catherine and Ellen have how many different colors?

- ☐ 1
- ☐ 7
- ☐ 4
- ☐ 5

20 Which color would Ted most likely want to borrow from Ellen?

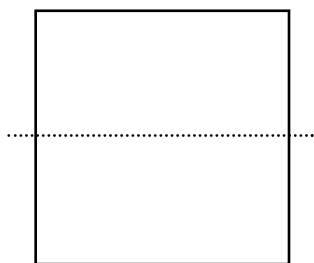
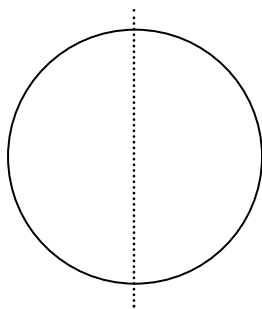
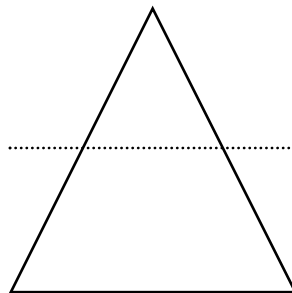
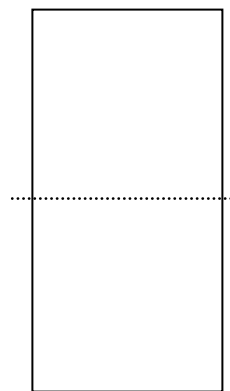
- ☐ 
- ☐ 
- ☐ 
- ☐ 

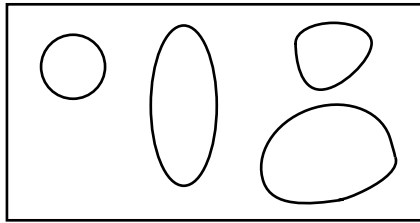
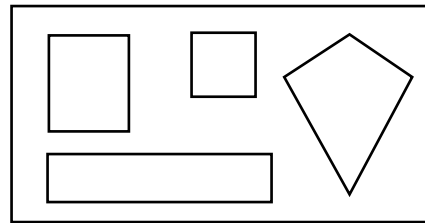


Look at the pizza. Some pieces have been eaten. How many slices of pizza were in the whole pizza?

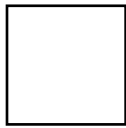
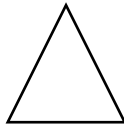
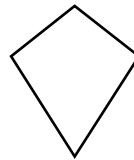
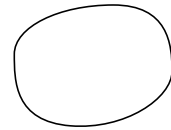
- ☐ 8
- ☐ 5
- ☐ 11
- ☐ 3

Which shape does not show a line of symmetry?


☐

☐

☐

☐

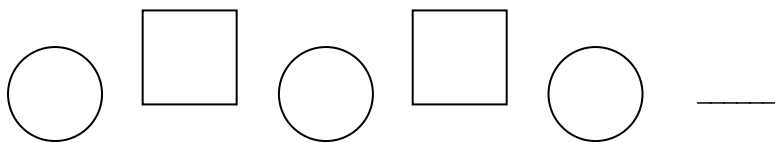
GROUP 1**GROUP 2**

Which shape belongs in Group 1?

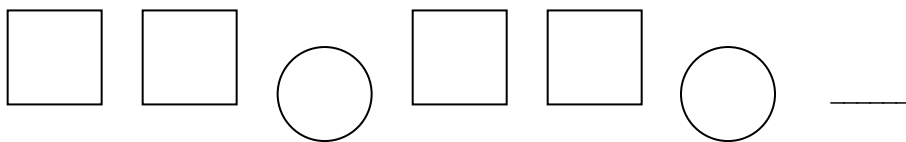

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Look at the patterns. In which pattern would a circle be next?

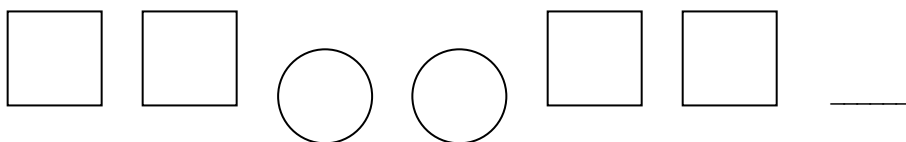
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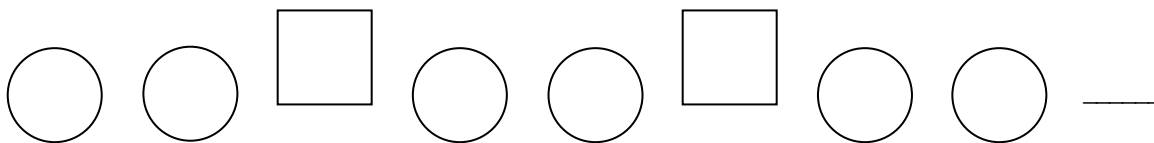
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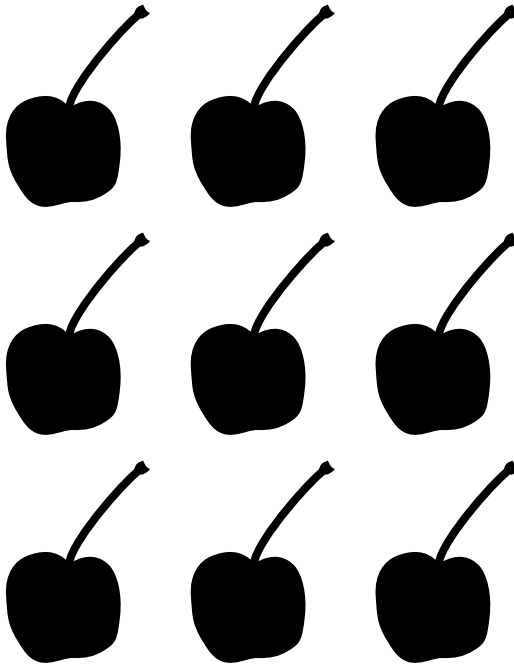
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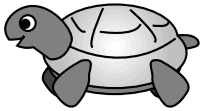
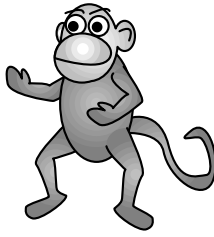
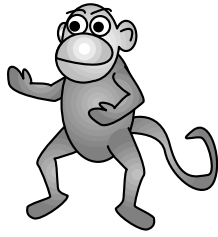
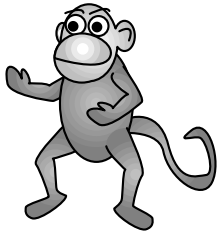
Cherries cost two cents each. Which set of coins would buy all the cherries in the picture?



- ☐ 
- ☐ 
- ☐ 
- ☐ 

MICHAEL'S PETS

Look at Michael's pets. Use the pictures to answer 26, 27, and 28.



26 Which two kinds of animals does Michael have the MOST of?

- ☐ monkeys and puppies
- ☐ turtles and puppies
- ☐ monkeys and turtles
- ☐ birds and monkeys

27 Michael has an even number of _____.

- ☐ monkeys
- ☐ birds
- ☐ puppies
- ☐ turtles

28 Michael bought four more puppies. Which number sentence tells you how many puppies Michael has now?

- ☐ $3 + 4 = \bullet$
- ☐ $\bullet + 3 = 4$
- ☐ $4 - 3 = \bullet$
- ☐ $4 - \bullet = 3$

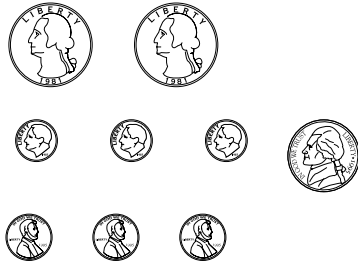
29

Which of these shows the number four hundred sixty one?

- ☐ 400
- ☐ 4601
- ☐ 644
- ☐ 461

30

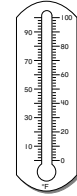
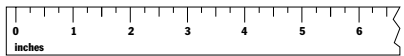
How much money is in the picture?

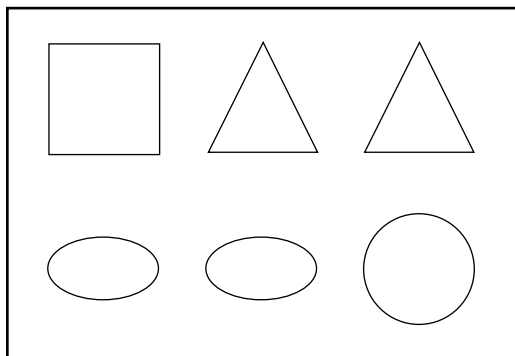
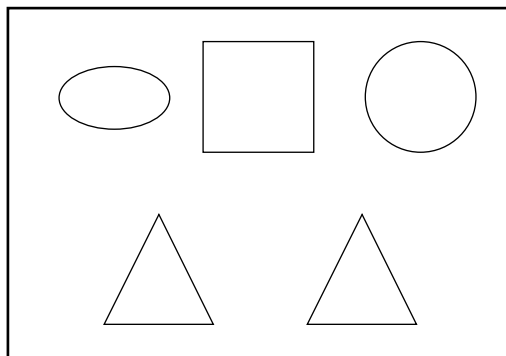


- ☐ 30¢
- ☐ 88¢
- ☐ 45¢
- ☐ 52¢

31

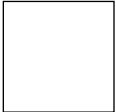
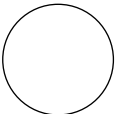
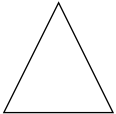

Mrs. Johnson is baking bread. She needs to measure the flour. Which tool should Mrs. Johnson use to measure the flour?

☐☐☐☐

GROUP A**GROUP B**

Look at Group A and Group B.

Group A has more _____ than Group B.

- ☐ 
- ☐ 
- ☐ 
- ☐ 

Use the map below to answer question 33.



33 Which of these states is biggest?

- ☐ Texas
- ☐ Utah
- ☐ Tennessee
- ☐ Iowa

34 Which group of numbers shows only odd numbers?

- ☐ 1, 6, 13
- ☐ 2, 4, 7
- ☐ 3, 9, 11
- ☐ 4, 7, 9

35

Look at the number pattern. Find the number that is missing.

7, 10, 13, 16, —, 22

- ☐ 17
- ☐ 21
- ☐ 19
- ☐ 20

36

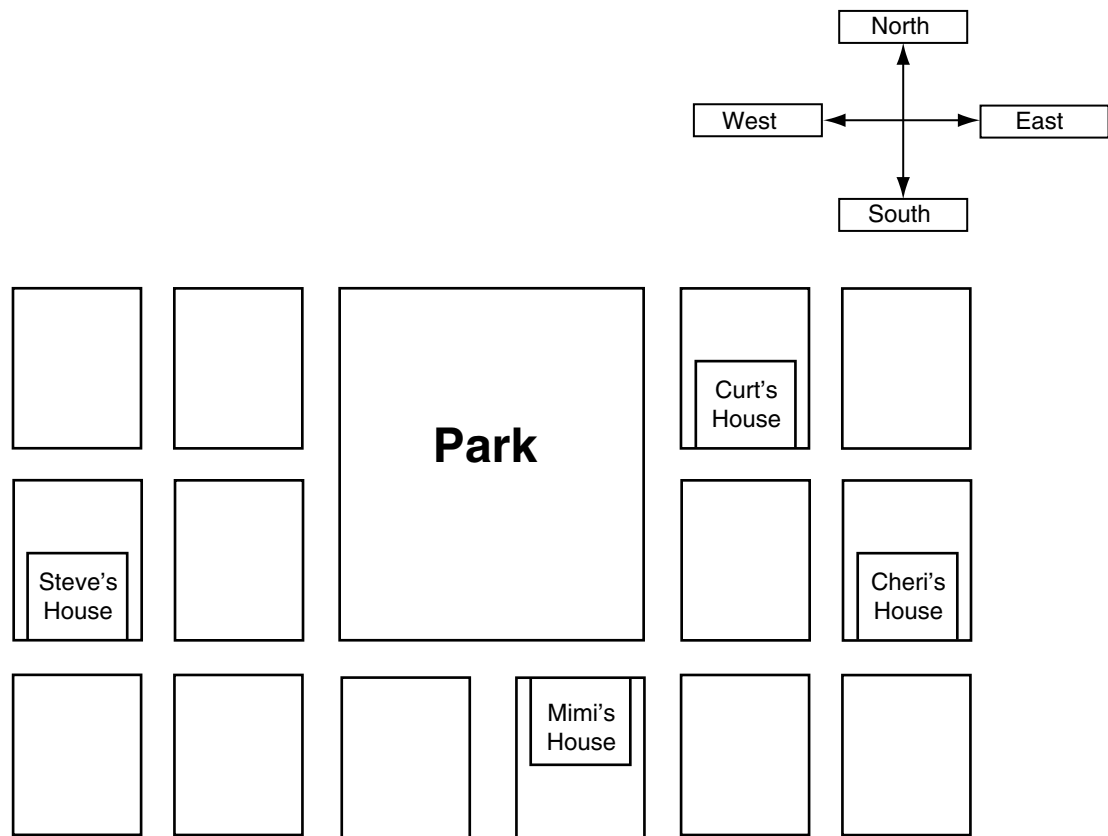
Look at the pattern. Find the number that is missing.



- ☐
- ☐
- ☐
- ☐

GOING TO THE PARK

Look at the map. Use the map to answer numbers 37 and 38.



37 To get to the park from his house, Steve must walk two blocks

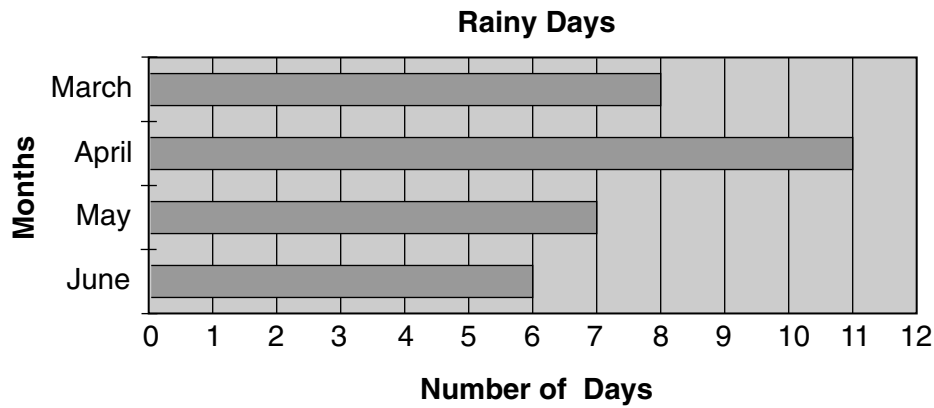
- ☐ north
- ☐ south
- ☐ east
- ☐ west

38 Who lives south of the park?

- ☐ Mimi
- ☐ Curt
- ☐ Steve
- ☐ Cheri

RAINY DAYS

Use the graph to answer numbers 39, 40, and 41.



39 Which month had the most rainy days?

- ☐ March
- ☐ April
- ☐ May
- ☐ June

40 Which two months had a total of 13 rainy days?

- ☐ March and April
- ☐ March and May
- ☐ April and May
- ☐ May and June

41 April had how many more rainy days than May?

- ☐ 3
- ☐ 1
- ☐ 7
- ☐ 4

42

Which number is nine more than twelve?

- ☐ 38
- ☐ 15
- ☐ 21
- ☐ 45

43

What fraction of the children are boys?

- ☐ $\frac{1}{3}$
- ☐ $\frac{1}{2}$
- ☐ $\frac{2}{3}$
- ☐ $\frac{3}{3}$

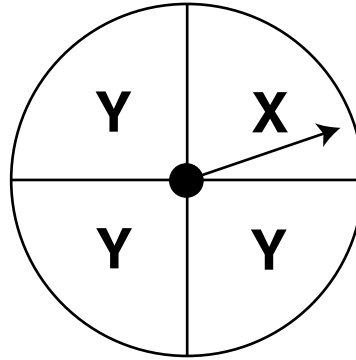
Spinner Game

Ms. Cabot's class plays a spinner game. Here is how it is scored:

Scoring

X	5 points
Y	1 point

Spinner



The class divides into two teams, Red and Blue. Each takes turns spinning the spinner. The team with the most points at the end of the game is the winner.

- 44** After three spins, the Red team has spun X once and Y twice. How many points does the Red team have?

- ☐ 3
- ☐ 7
- ☐ 10
- ☐ 17





- 45** After three spins, the Blue team has spun X twice and Y once. How many points does the Blue team have?

- ☐ 1
- ☐ 8
- ☐ 13
- ☐ 11

Bill had .

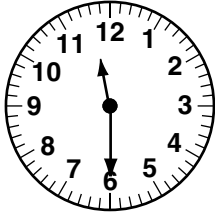
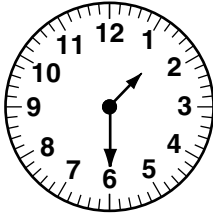
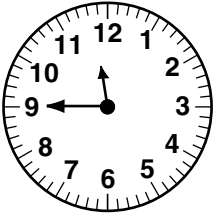
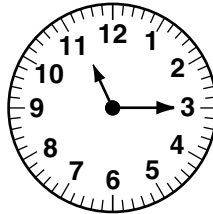
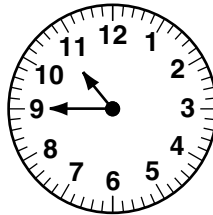
He bought an apple that cost 20 cents.

Which set of coins shows how much money he has left?

- ☐ 
- ☐ 
- ☐ 
- ☐ 

47

Look at the clock. What time will it be in fifteen minutes?

☐☐☐☐**STOP**