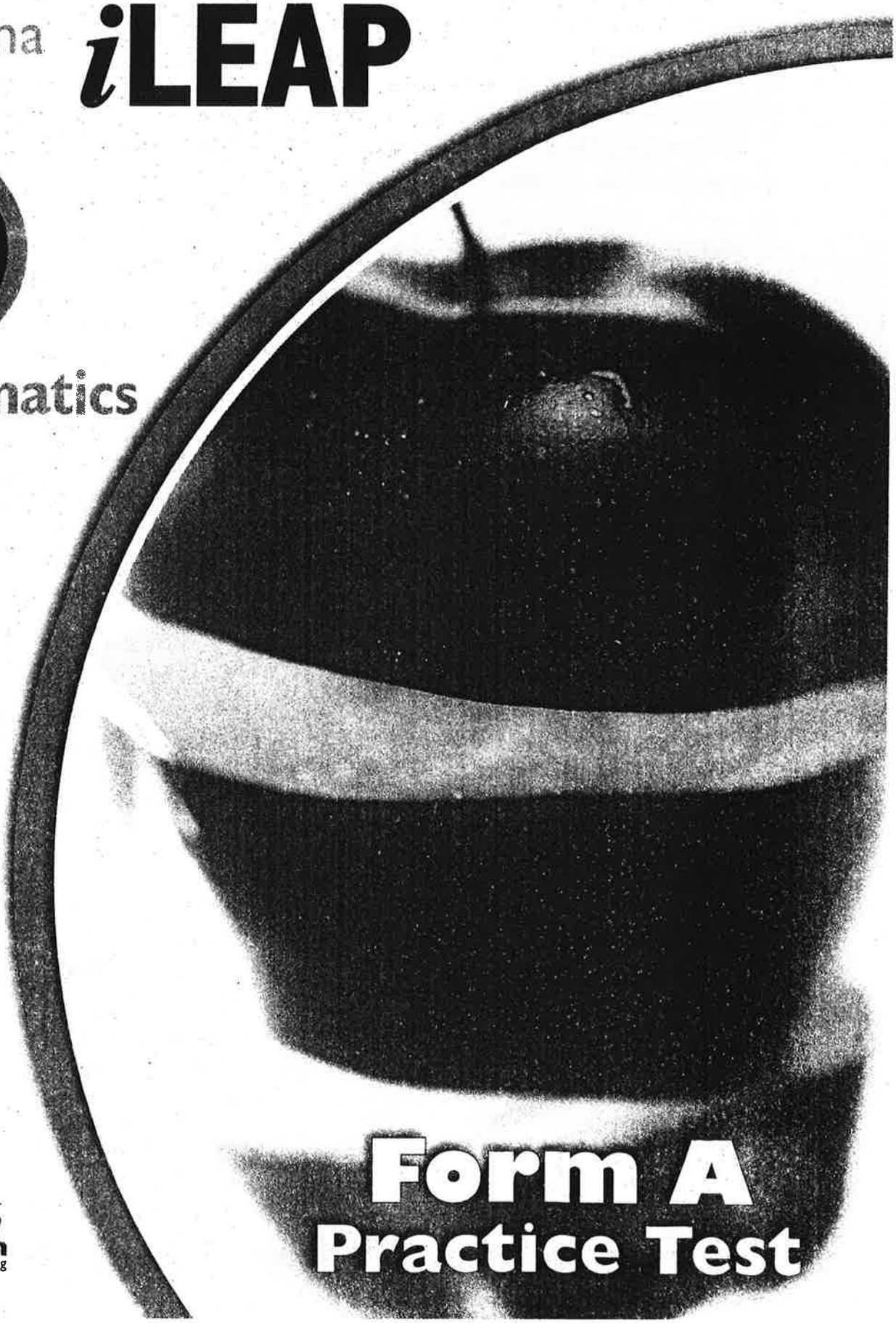
Chachere

Buckle Down™

Louisiana iLEAP

3

Mathematics



Form A Practice Test

Buckle Down Publishing

Part 1—Mathematics (No Calculator)

This is a test of your skill in estimating answers to math problems. Four possible answers are given for each problem. Estimate the answer to each problem in your head. *No scratch work is allowed.* Choose the answer that is the best estimate of the exact answer. Do not spend too much time on any one problem, or you will not finish all the problems. *Remember, estimate. Do not try to compute exact answers.* On your answer document, find the row of answer spaces numbered the same as the question. Fill in the answer space for the best estimate. The samples on this page show you what the problems are like and how to mark your answers.

You may NOT use a calculator for this part.

S1. Lucy read 22 pages yesterday and 36 pages today. Which is the **best** estimate for the total number of pages Lucy read yesterday and today?

A. 40
B. 50
C. 60
D. 70

S2. Roosevelt Elementary has 578 students. Garfield Elementary has 213 students. Which is the **best** estimate for how many more students Roosevelt Elementary has than Garfield Elementary?

A. 300
B. 400
C. 500
D. 600

S3. Cory, Donny, and Tina all have boxes of crayons. Cory has 24 crayons, Donny has 72 crayons, and Tina has 36 crayons. Which is the **best** estimate for the number of crayons Cory, Donny, and Tina have altogether?

A. 130
B. 140
C. 150
D. 160

Part 1

S1. Ⓐ Ⓑ ● Ⓓ
S2. Ⓐ ● Ⓒ Ⓓ
S3. ● Ⓑ Ⓒ Ⓓ

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1. Barry sells boxes of oranges each weekend. There are 48 oranges in each box. If Barry sold 10 boxes of oranges last weekend, which is the **best** estimate for the total number of oranges he sold?

A. 400
B. 450
C. 500
D. 550

2. The group "Bird Lovers of Louisiana" writes down the number of birds it sees each month. The table below shows the numbers of birds seen during July, August, and September.

Number of Birds Seen

July	2,984
August	3,501
September	2,016

Rounding to the nearest hundred, which is the **best** estimate for the number of birds seen during the three months?

A. 8,400
B. 8,500
C. 8,600
D. 9,000

3. Al has a jar with 117 pennies, and his brother has a jar with 191 pennies. Which is the **best** estimate for how many total pennies Al and his brother have?

A. 200
B. 250
C. 300
D. 350

4. Each student in Mr. Jay's class has read 6 books. Which is the **best** estimate for how many books 9 students have read?

A. 60
B. 40
C. 30
D. 15

STOP

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Part 2—Mathematics (Calculator)

This is a test of your math knowledge and of your ability to solve math problems using information from stories, graphs, and tables. Four answers are given for each problem. Choose the answer you think is better than the others. Then, on your answer document, find the row of answer spaces numbered the same as the question. Fill in the answer space for the best answer. The samples on this page show you what the problems are like and how to mark your answers.

You MAY use a calculator for this part.

S1. Nikki started working on her science homework at 6:45. She finished at 8:30. How long did Nikki work on her science homework?

A. 1 hour, 15 minutes
B. 1 hour, 45 minutes
C. 2 hours, 15 minutes
D. 2 hours, 45 minutes

S2. Which symbol goes in the blank to make the number sentence **true**?

3,636 ___ 3,636

A. <
B. >
C. +
D. =

S3. Which rule is used in the number pattern shown below?

32, 41, 50, 59, . . .

A. add 8
B. add 9
C. subtract 8
D. subtract 9

S4. Dawn had 268 stickers in her collection last year. This year, she added 119 stickers to her collection. How many stickers does Dawn have in her collection now?

A. 357
B. 367
C. 377
D. 387

Part 2

S1. Ⓐ ● Ⓒ Ⓓ
S2. Ⓐ Ⓑ Ⓒ ●
S3. Ⓐ ● Ⓒ Ⓓ
S4. Ⓐ Ⓑ Ⓒ ●

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5. Which symbol goes in the blank to correctly compare the numbers?

4,753 ___ 4,573

A. <
B. >
C. +
D. =

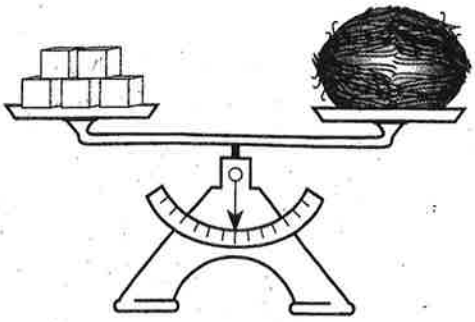
6. Look at the two-step pattern below.

2, 6, 5, 9, 8, 12, . . .

What do you need to do to find the next number?

A. subtract 1
B. multiply by 3
C. add 4
D. divide by 2

Use the figure below to answer question 7.

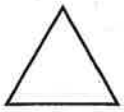


□ = 8 ounces

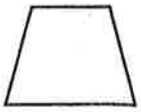
7. Daniel weighed a coconut on a balance scale. Each block weighs 8 ounces. How much does the coconut weigh?

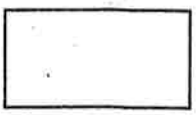
A. 5 ounces
B. 8 ounces
C. 13 ounces
D. 40 ounces

8. Which polygon has only one line of symmetry?

A. 

B.

C. 

D. 

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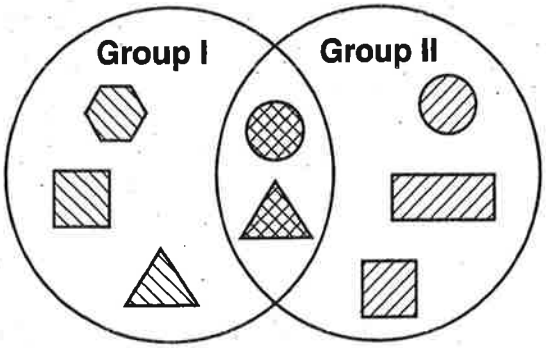
9. The Venn diagram below shows how to group shapes based on their markings.



Which of these would be common to both Group I and Group II?

A.

B.

C.

D.

10. Which equation is in the same fact family as $2 \times 5 = 10$?

A. $10 \div 5 = 2$
B. $5 + 2 = 7$
C. $10 - 5 = 5$
D. $5 \div 2 - 10$

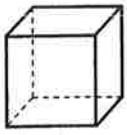
11. Phyllis has a stamp collection. She has 197 stamps from the United States and 64 stamps from other countries. How many stamps does Phyllis have?

A. 133
B. 143
C. 254
D. 261

12. Which solid figure has exactly 1 face?

A.

B.

C. 

D.

13. Which of the following is **true**?

A. $2 \times 9 \neq 14 + 2$
B. $12 + 5 < 20 - 3$
C. $20 \div 2 > 6 + 5$
D. $14 + 8 = 4 \times 5$

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Use the bag of marbles below to answer question 14.

14. Which describes the probability of picking a black marble from the bag?

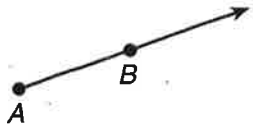
A. impossible
B. least likely
C. most likely
D. certain

15. Which equation could be used to solve the following problem?

Bob cooked 18 more hot dogs than Mark. If Bob cooked 36 hot dogs, how many hot dogs did Mark cook?

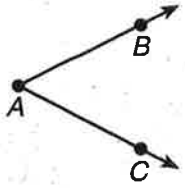
A. $18 \times h = 36$
B. $h - 18 = 36$
C. $h \div 18 = 36$
D. $h + 18 = 36$

16. Which of the following is a ray?

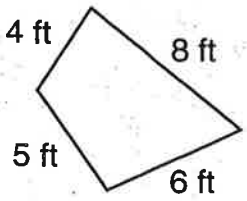
A.


B.

C.

D.


17. Ally drew an outline of her garden.



What is the perimeter of Ally's garden?

A. 12 feet
B. 23 feet
C. 30 feet
D. 32 feet

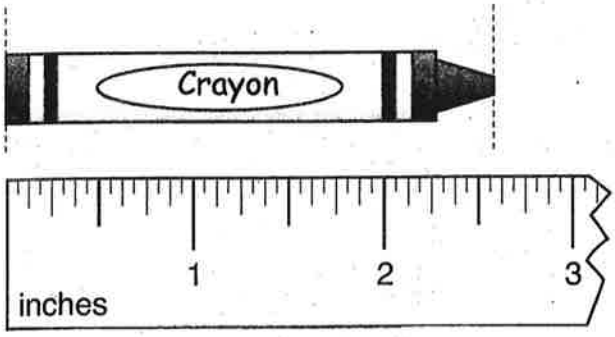
18. It takes Raja 20 minutes to walk from his house to school. If he leaves his house at 7:50, what time will Raja get to school?

A. 7:30
B. 7:70
C. 8:10
D. 8:20

19. Which number is even?

A. 358
B. 401
C. 647
D. 933

20. How long is the crayon shown below to the nearest half inch?



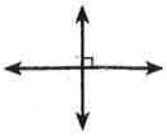
A. $1\frac{1}{2}$ inches

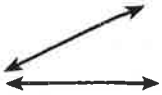
B. 2 inches

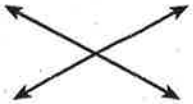
C. $2\frac{1}{2}$ inches

D. 3 inches

21. Which of the following shows parallel lines?

A. 

B. 

C. 

D.

22. Which rule is used in the number pattern shown below?

21, 16, 11, 6, 1, . . .

A. add 4
B. add 6
C. subtract 5
D. subtract 7

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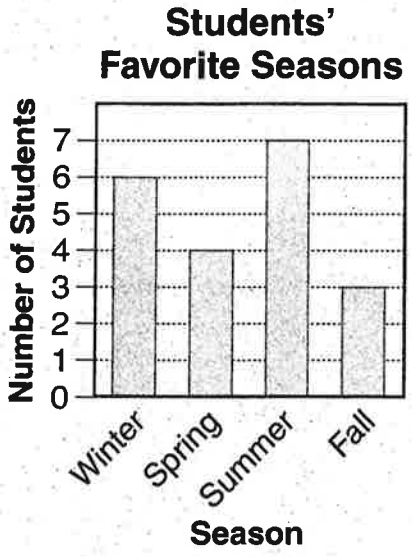
23. Which bar graph displays the data from the frequency table shown below?

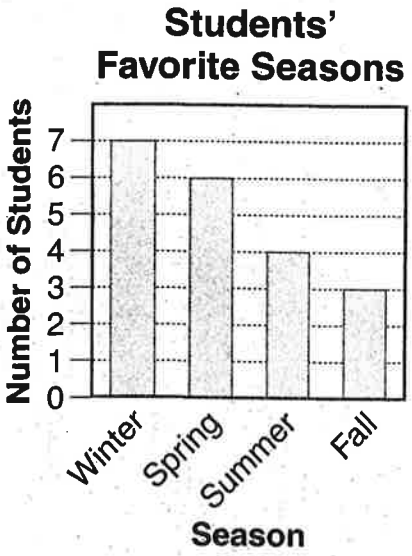
Students' Favorite Seasons

Season	Number of Students	
Winter	𝍸 I	6
Spring	IIII	4
Summer	𝍸 II	7
Fall	III	3

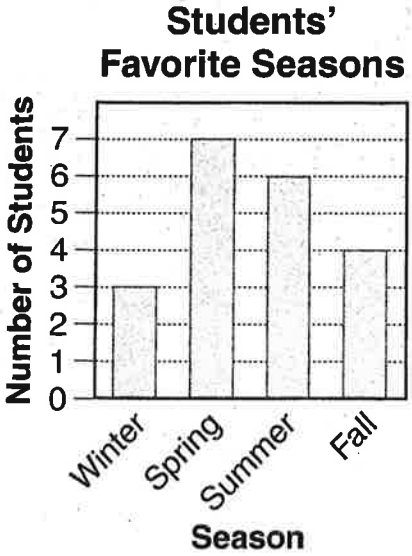
A.



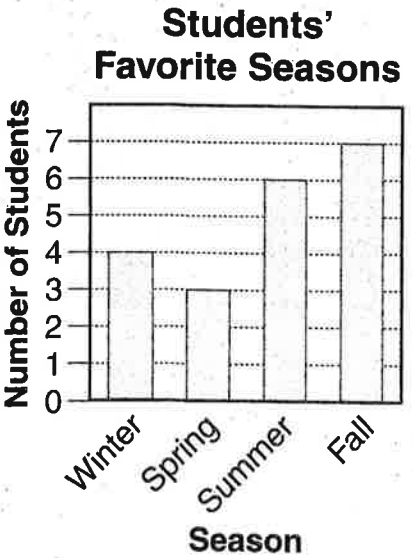
B.



C.



D.



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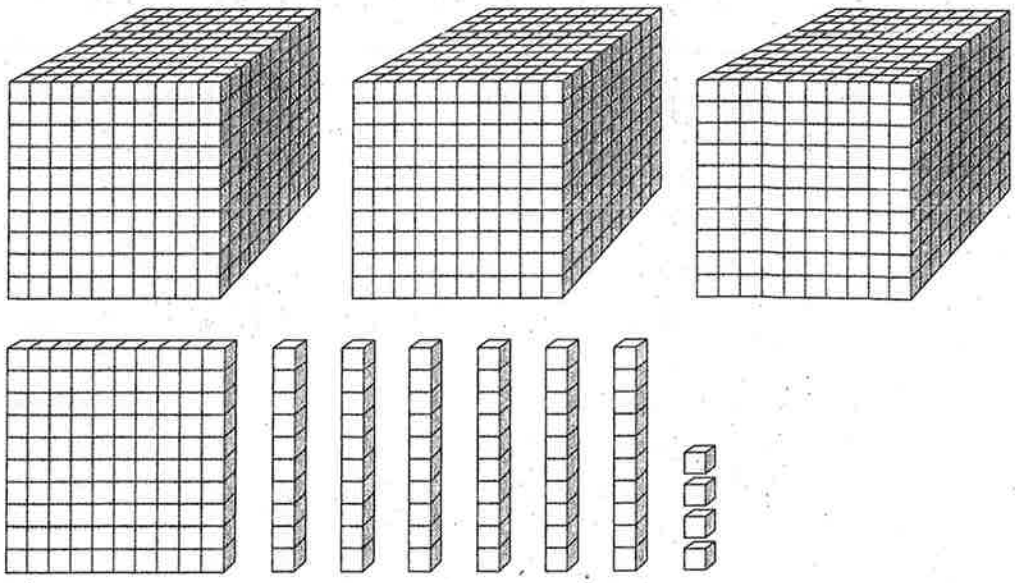
Part 3—Mathematics (Calculator)

This is a test of your math knowledge and of your ability to solve math problems. Four answers are given for each question. Choose the answer you think is better than the others. Then, on your answer document, find the row of answer spaces numbered the same as the question. Fill in the space of the answer you think is better than the others. You may write in your test booklet, but you must mark your answers on your answer document. You may review your answers in this part of the test but do not work on any other part.

You MAY use a calculator for this part.

24. Pedro built the number shown below using base ten blocks. What number is shown in the model?



A. 316
B. 374
C. 3,146
D. 3,164

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25. Miranda is collecting photos for a scrapbook she is making. The table below shows how many pictures she had each day.

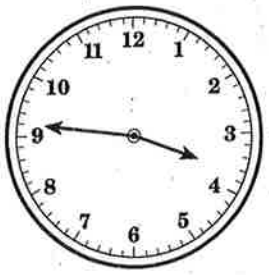
Miranda's Photos

Day	Number of Photos
1	3
2	6
3	12
4	?

If this pattern continues, how many photos will Miranda have on Day 4?

A. 24
B. 18
C. 15
D. 12

26. Gavin started practicing the piano at the time shown on the clock below.



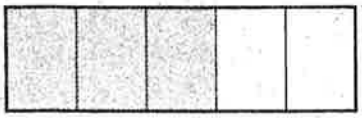
At what time did Gavin start practicing the piano?

A. 3:44
B. 3:46
C. 4:46
D. 9:19

27. Which of the following shows a flip of the letter Z?

A. Z Z
B. Z N
C. Z S
D. Z И

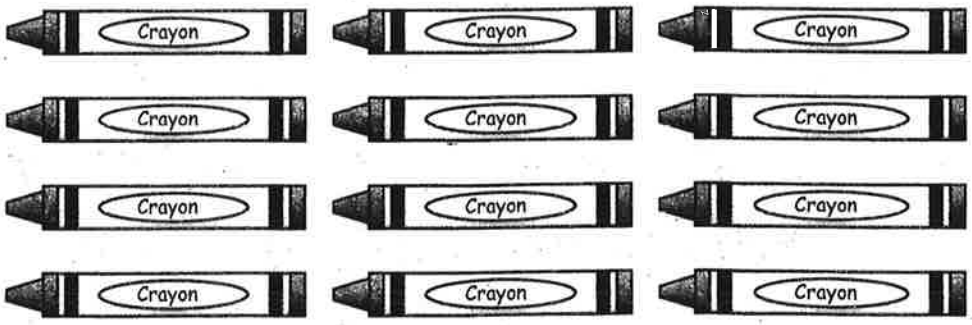
28. Mario divided a candy bar into equal parts. The shaded part below shows how much he has left.



What fraction of the candy bar does Mario have left?

A. $\frac{2}{5}$
B. $\frac{3}{5}$
C. $\frac{2}{3}$
D. $\frac{3}{2}$

29. Mike arranged his crayons on his desk as shown below.



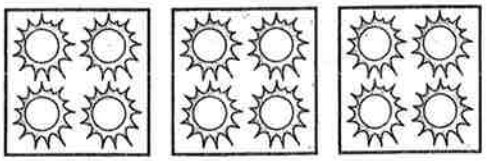
Which expression could be used to find the total number of crayons Mike has?

A. 4×3
B. 4×4
C. 3×3
D. $4 \times 4 \times 4$

30. Dave has toast with jelly every day for breakfast. He uses 3 spoonfuls of jelly for 2 pieces of toast. How many spoonfuls of jelly would Dave use on 6 pieces of toast?

A. 3
B. 6
C. 9
D. 12

31. Which division number sentence does the picture below represent?



A. $12 \div 4 = 8$
B. $12 \div 3 = 4$
C. $4 \div 3 = 12$
D. $3 \div 4 = 12$

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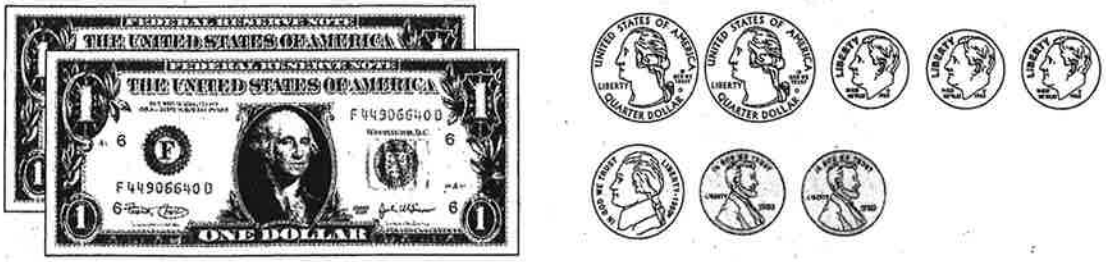
32. Sheila has the money shown below in her purse.



How much money does Sheila have in her purse?

A. $2.72
B. $2.77
C. $2.87
D. $2.92

33. Darrel is going to measure the depth of a child-size swimming pool. Which tool would be **best** for Darrel to use?

A. measuring cup
B. thermometer
C. balance scale
D. yardstick

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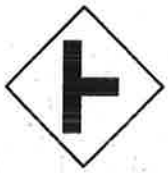
34. Which sign has all right angles?

A.

B.

C.

D. 

35. There are 28 students in Mr. Law's class. Each student has the same number of folders. The students have a total of 112 folders. Which equation shows how many folders each student in Mr. Law's class has?

A. $28 + \square = 32$
B. $28 \times \square = 112$
C. $28 - \square = 24$
D. $28 \div \square = 7$

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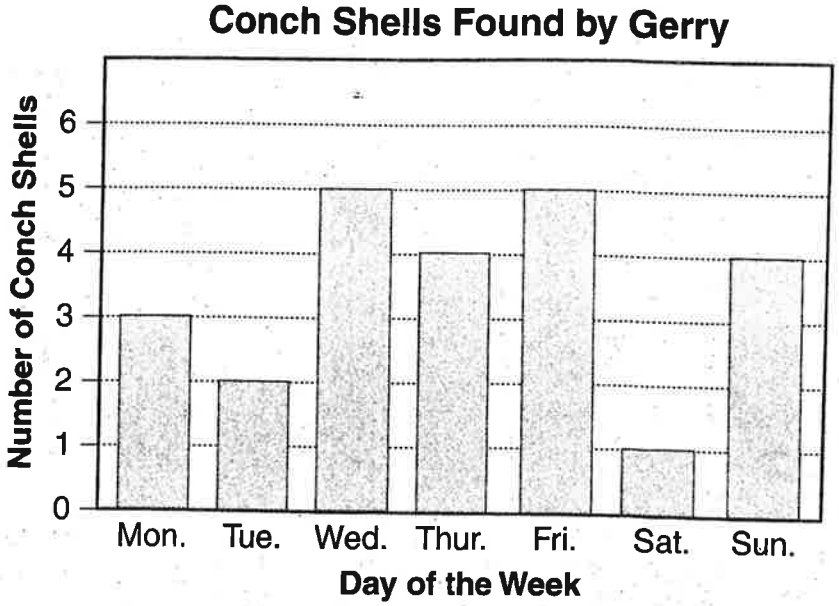
36. Gerry made a bar graph showing the number of conch shells he found on Fourchon Beach each day last week.



How many fewer conch shells did Gerry find on Saturday than he found on Friday?

A. 1
B. 2
C. 3
D. 4

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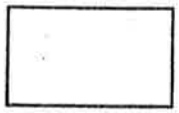
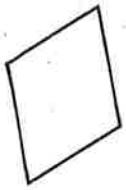
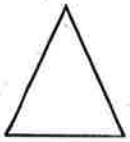
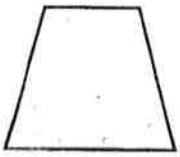
37. Which figure contains both parallel and perpendicular lines?

A. 

B. 

C. 

D. 

38. Which story problem could be solved using the equation $15 \div \square = 3$?

A. Paul had 15 books. He put the same number of books on each of 3 shelves. How many books did Paul put on each shelf?

B. Sara had 15 stickers. She gave some to her sister and has 3 left. How many stickers did Sara give to her sister?

C. Nicki had 15 cookies. She baked 3 more batches. How many cookies did Nicki bake?

D. Todd had 15 pairs of shorts. He bought 3 more. How many pairs of shorts does Todd have now?

39. On which spinner is the arrow **equally likely** to land on white and gray?

A.

B.

C.

D.

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40. The table below shows the length of four movies showing at the movie theater.

Movie Lengths

Movie	Length
My Friend Fred	1 hour, 30 minutes
The Sinking Ship	100 minutes
Joe's Space Adventure	140 minutes
Cows on the Moon	2 hours, 10 minutes

Which movie is the **longest**?

A. My Friend Fred
B. The Sinking Ship
C. Joe's Space Adventure
D. Cows on the Moon

41. Which symbol should go in the blank to correctly compare the expressions?

11 + 16 ___ 18 + 5

A. $<$
B. $+$
C. $=$
D. $>$

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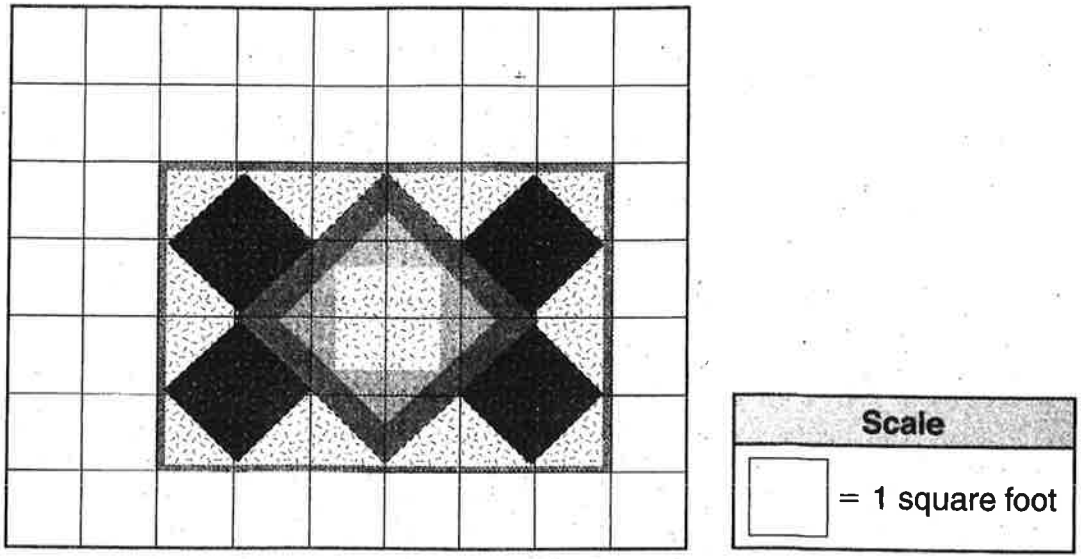
42. The drawing below shows the area of Erika's quilt.

Erika's Quilt



What is the area of Erika's quilt?

A. 6 square feet
B. 10 square feet
C. 20 square feet
D. 24 square feet

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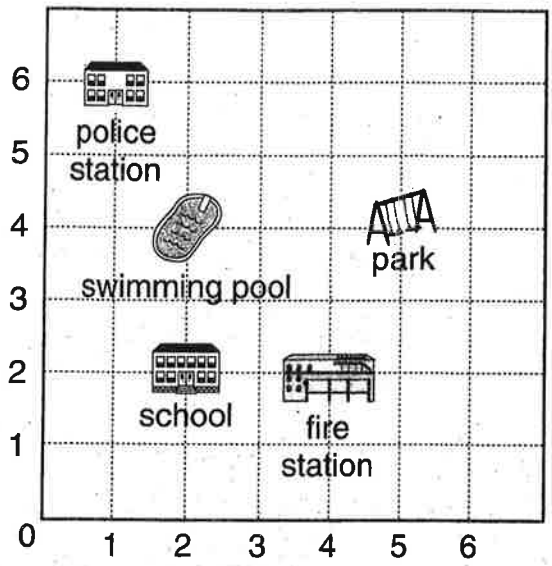
Use the grid below to answer question 43.



43. What is the length of the shortest path from the fire station to the park, staying on the lines?

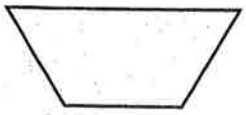
A. 2
B. 3
C. 4
D. 5

44. What is the missing number in the following pattern?

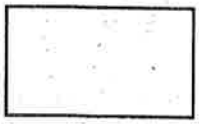
0, 4, 8, 12, __, 20, 24, . . .

A. 15
B. 16
C. 18
D. 20

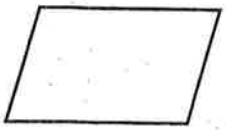
45. Zeke drew the trapezoid below on his paper.

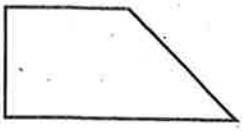


Which figure is congruent to the trapezoid Zeke drew?

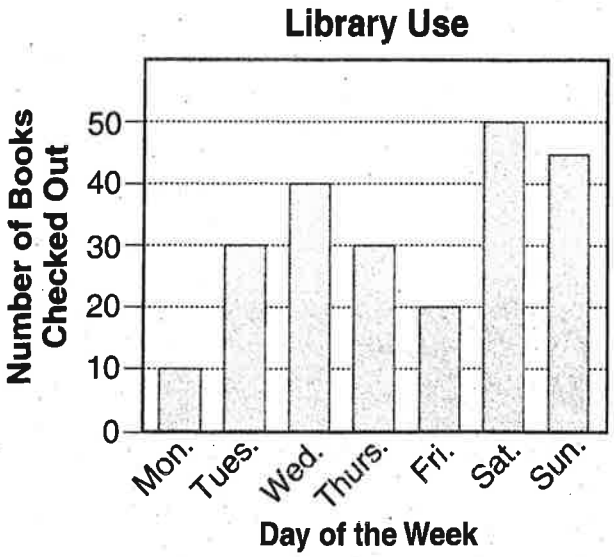
A. 

B.

C. 

D. 

46. The bar graph below shows the number of books checked out from the library last week.



How many books were checked out from Tuesday through Thursday?

A. 30
B. 40
C. 70
D. 100

47. How is three hundred eight written in standard form?

A. 308
B. 380
C. 3,008
D. 3,080

48. The table below shows how many classes visited the Louisiana Museum of Natural History for field trips each month.

Museum Field Trips

Month	Classes
January	15
February	18
March	10
April	25
May	30

During which two months did an odd number of classes visit the museum?

A. January and February
B. March and May
C. January and April
D. April and May

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49. The table below shows that each package of Choosy Fruit gum has 5 pieces.

Choosy Fruit Gum

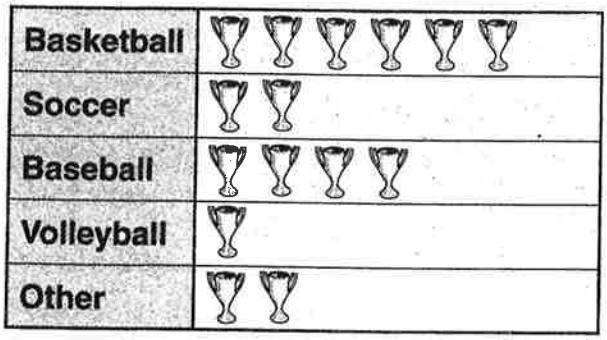
Number of Packages	1	2	3	4
Pieces of Gum	5	10	15	

How many pieces of gum do 4 packages of Choosy Fruit gum have?

A. 18
B. 20
C. 23
D. 25

50. Sujai asked 45 students to pick their favorite sport. His results are shown on the pictograph.

Students' Favorite Sports



What is the average number of students that picked each sport?

A. 3
B. 4
C. 6
D. 9

STOP