

VIRGINIA STANDARDS OF LEARNING

Spring 2008 Released Test

GRADE 3 MATHEMATICS

Form M0118, CORE 1

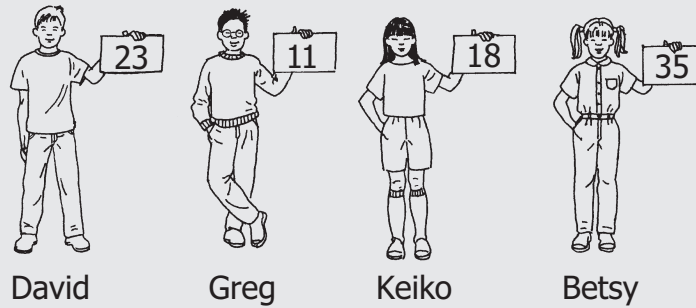
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Directions

Read each question and choose the best answer. Then fill in the circle on your answer document for the answer you have chosen.

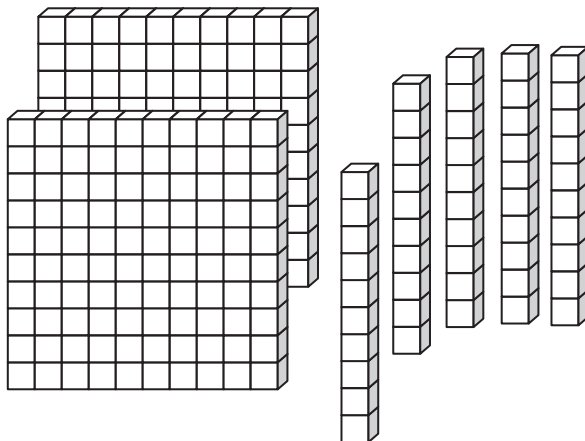
SAMPLE



Who is holding a card with an even number on it?

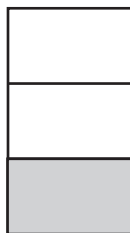
- A** David
- B** Greg
- C** Keiko
- D** Betsy

- 1 Each  in the model has a value of 1. What number is represented by the model shown?



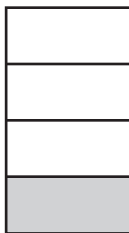
- A 25
B 205
C 250
D 2,005
- 2 A toy store sold 1,032 video games in December. What is 1,032 rounded to the nearest hundred?
- F 1,000
G 1,030
H 1,100
J 1,130

3 This model is shaded to show a fraction of a whole.

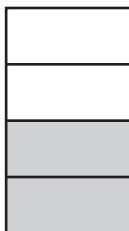


Which of the following is shaded to show a fraction with a value LESS THAN the one above?

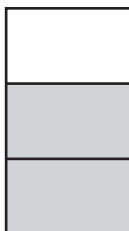
A



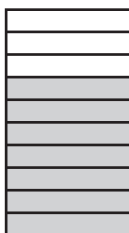
B



C



D



4 The number sentence below is true.

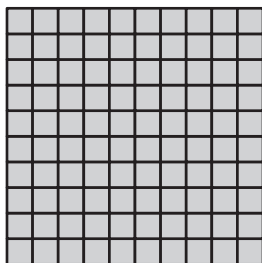
$$6 + 8 = 14$$

Which number makes the following number sentence true?

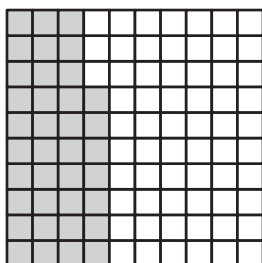
$$14 - \underline{\hspace{1cm}} = 6$$

- F** 6
- G** 8
- H** 20
- J** 84

5 This model is shaded to show 1 whole.

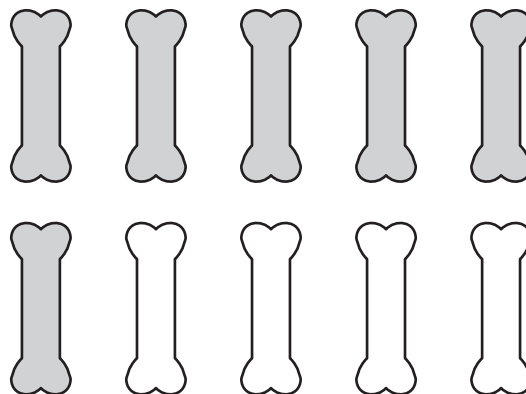


What decimal is shown by the model below?



- A** 7.30
- B** 3.70
- C** 0.73
- D** 0.37

6 This is a group of dog treats.



What fraction of the group is shaded?

F $\frac{1}{6}$

G $\frac{6}{10}$

H $\frac{4}{6}$

J $\frac{6}{4}$

7 What is the value of the 1 in 13,729 ?

- A** 100
- B** 1,000
- C** 10,000
- D** 100,000

- 8 February is the second month of the year. The chart shows the months of the year in order as they occur.**

Months of the Year

January
February
March
April
May
June
July
August
September
October
November
December

What is the tenth month of the year?

- F** December
- G** November
- H** October
- J** September

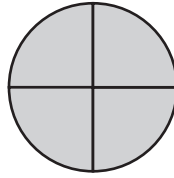
9 What is 4,996 rounded to the nearest thousand?

- A** 4,000
- B** 4,800
- C** 4,900
- D** 5,000

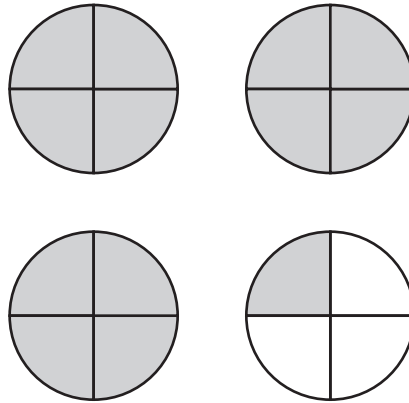
**10 Which of the following numbers represents
two hundred sixty-three thousand, four hundred seventeen?**

- F** 206,407
- G** 260,417
- H** 263,407
- J** 263,417

11 This model is shaded to show one whole.



What number is shown by the shaded parts of the model below?



A $3\frac{1}{4}$

B $3\frac{1}{3}$

C $3\frac{3}{4}$

D $3\frac{3}{1}$

12 Which number has an 8 in the thousands place?

- F** 721,801
- G** 595,382
- H** 248,937
- J** 186,546

13 Which is true?

- A** 8,412 is greater than 8,901
- B** 7,563 is greater than 7,563
- C** 5,718 is greater than 5,763
- D** 9,174 is greater than 9,082

14 $9 \overline{)72}$

- F** 6
- G** 7
- H** 8
- J** 9

15 Trey bought 4 rolls of film. Each roll could make 27 pictures. What was the total number of pictures that Trey could make with the 4 rolls he bought?

- A** 35
- B** 108
- C** 211
- D** 828

16 An ice-cream shop used 1,287 gallons of vanilla ice cream and 956 gallons of chocolate ice cream last month. What was the total number of gallons of vanilla ice cream and chocolate ice cream sold last month?

- F** 331
- G** 1,133
- H** 2,243
- J** 10,847

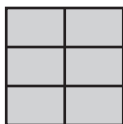
17 **$2.3 + 6.8 =$**

- A** 0.81
- B** 0.91
- C** 8.1
- D** 9.1

18 At a carnival, 817 tickets were sold on Monday. On Tuesday, 1,265 tickets were sold. What is the total number of tickets sold at the carnival on those two days?

- F** 2,082
- G** 1,652
- H** 1,072
- J** 448

19 This is one.



How much is $\frac{1}{6} + \frac{3}{6} = ?$

A $\frac{1}{4}$

B $\frac{4}{12}$

C $\frac{2}{6}$

D $\frac{4}{6}$

20 There are 9 hooks on a coat rack. Only one coat can hang on each hook. If 4 hooks are NOT used, how many coats are hanging on the coat rack?

- F** 5
- G** 6
- H** 13
- J** 14

21 $8 \times 8 =$

- A** 16
- B** 32
- C** 64
- D** 72

22 Tina bought 3 boxes of cookies. Each box had exactly 60 cookies in it. What is the total number of cookies Tina bought?

F 180

G 120

H 63

J 20

23 $9.3 - 0.6 =$

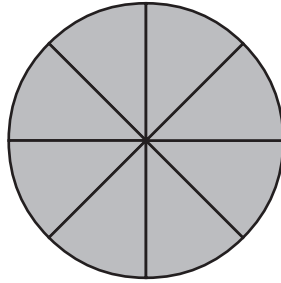
A 9.3

B 8.7

C 0.93

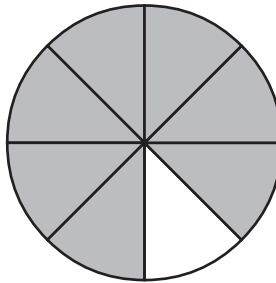
D 0.87

24 This model is shaded to represent one whole.

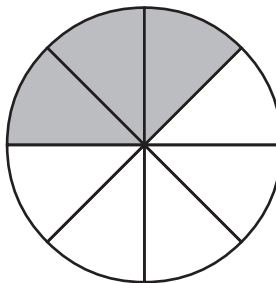


Each of these models is shaded to represent a fraction.

Model 1



Model 2



Subtract the fractions. What is the difference?

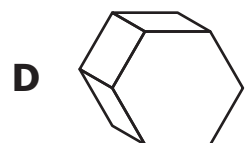
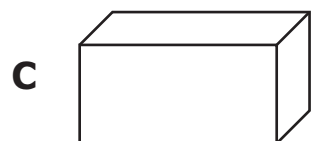
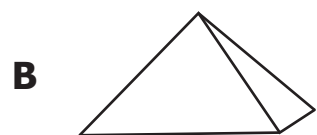
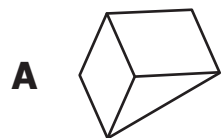
F $\frac{1}{5}$

G $\frac{3}{5}$

H $\frac{4}{8}$

J $\frac{8}{8}$

25 Which of these figures is a rectangular solid?



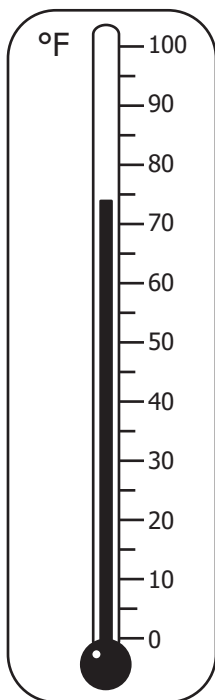
- 26** Priscilla cleaned her mom's car and found the coins shown in the picture.



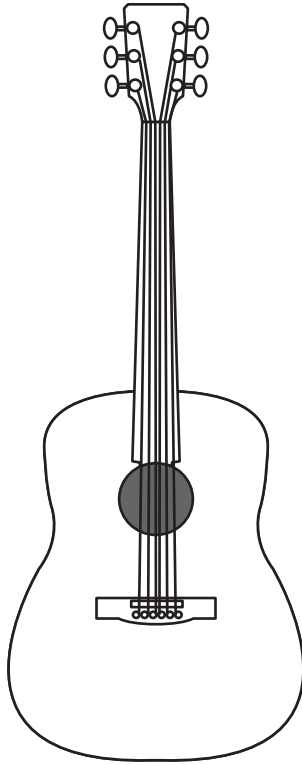
What is the total amount of money Priscilla found?

- F** 47¢
- G** 52¢
- H** 57¢
- J** 62¢

27 Which is CLOSEST to the temperature shown on this thermometer?



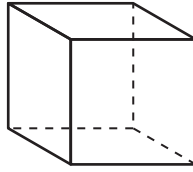
- A** 68°F
- B** 70°F
- C** 74°F
- D** 76°F



Which is CLOSEST to the height of the guitar shown in the picture?

- F** 4 centimeters
- G** 7 centimeters
- H** 8 centimeters
- J** 10 centimeters

29 Exactly how many faces are on the figure below?



- A** 4
- B** 6
- C** 8
- D** 12

30 Using the calendar shown below, what is the date of the fourth Monday of the month?

September

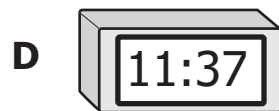
Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

- F** September 4
- G** September 14
- H** September 21
- J** September 28

31 The clock shows the time the April parade began.



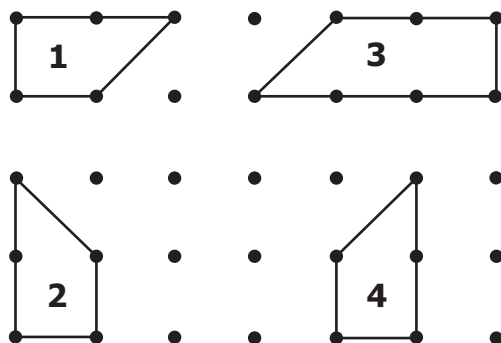
Which of the clocks shows the same time?



32 Which of the following weighs about the same as a paper clip?

- F** A desk
- G** A math book
- H** A pair of scissors
- J** A piece of notebook paper

33

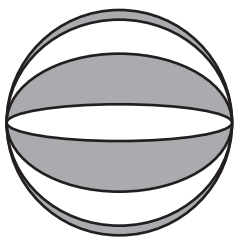


Which numbered shape is NOT congruent to the other shapes?

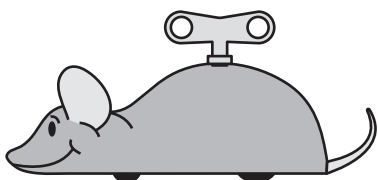
- A** 1
- B** 2
- C** 3
- D** 4

34 Which picture appears to have a line of symmetry?

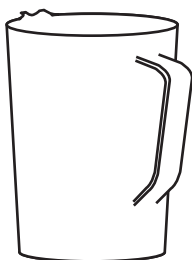
F



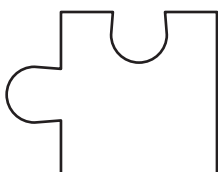
G



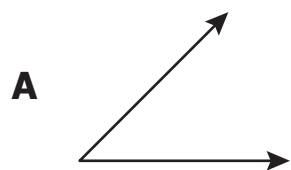
H



J



35 Which figure represents an angle?



36 What is the total number of hours in exactly 1 day?

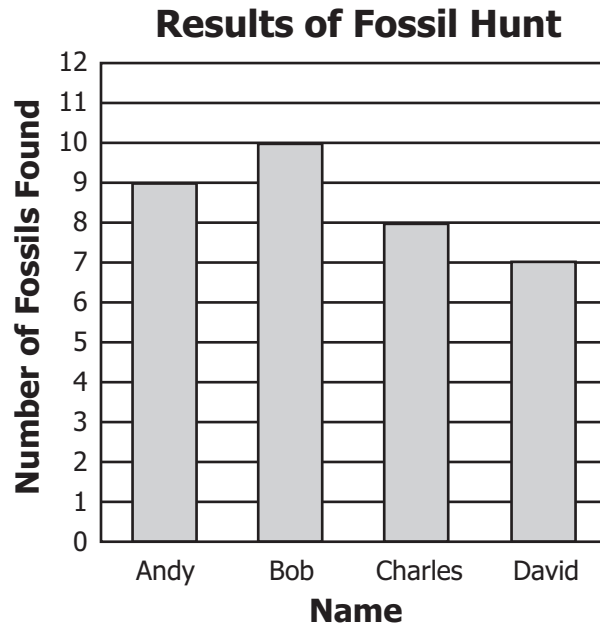
F 7

G 12

H 24

J 30

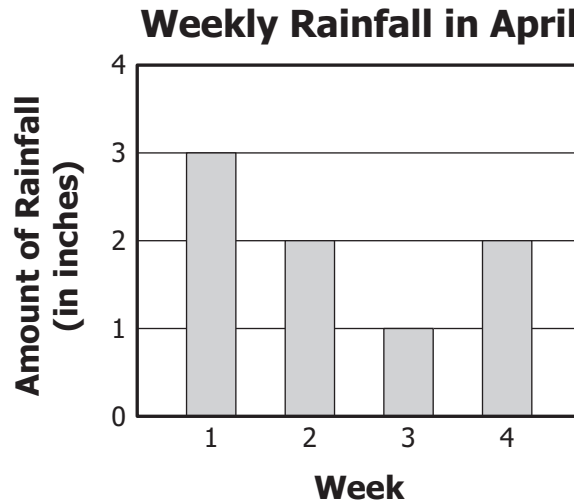
- 37** Andy, Bob, Charles, and David went on a fossil hunt. The graph shows the number of fossils each boy found.



Based on the data in the graph, what was the total number of fossils found altogether?

- A** 34
- B** 31
- C** 27
- D** 24

- 38** Kaitlyn recorded the amount of rainfall at her house each week during April. The bar graph below shows her results.













Based on the data in the bar graph, which of the following statements is true?

- F** Week 2 and week 4 had the same number of inches of rain.
- G** Week 3 had the greatest number of inches of rain.
- H** Week 2 had a greater number of inches of rain than week 1.
- J** Week 1 had the least number of inches of rain.

39 Look at the picture graph.

Seeds Planted in School Garden

Student	Number of Seeds Planted
Monica	  
Blain	    
Scott	 

What information is missing from the picture graph?

- A** A title telling about the graph
- B** A label listing the names of the students that planted seeds
- C** A picture to represent the seeds planted
- D** A key showing the number of seeds each picture represents

- 40** Sandy served hot dogs, hamburgers, and pizza for lunch at her party. She also served fruit punch, orange juice, and soda to drink.

**Combinations for
Lunch and Drink Items**

Hot dog and fruit punch
Hot dog and orange juice
Hot dog and soda
Hamburger and orange juice
Hamburger and soda
Pizza and fruit punch
Pizza and orange juice
Pizza and soda

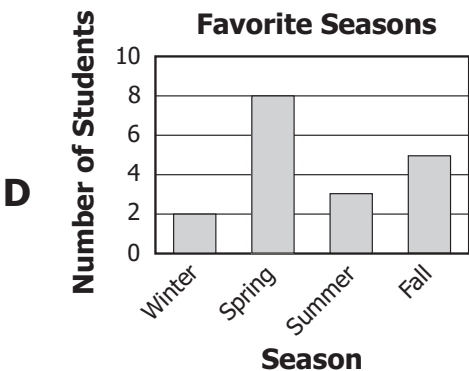
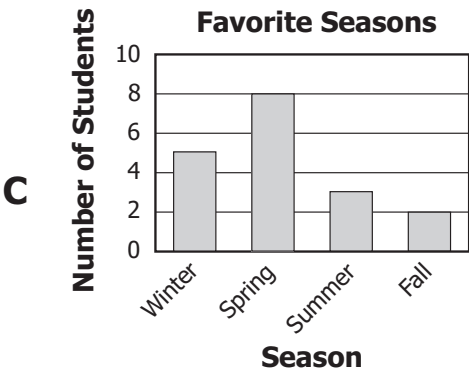
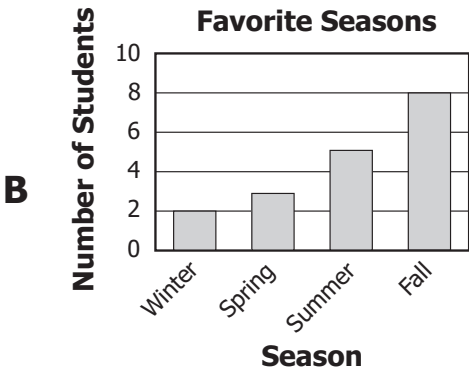
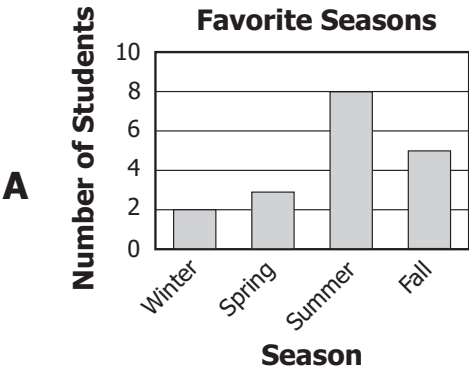
The chart lists some possible combinations for one lunch item and one drink item. Which possible combination is missing from the chart?

- F** Hamburger and fruit punch
- G** Orange juice and soda
- H** Hamburger and pizza
- J** Fruit punch and orange juice

41 Erika asked 18 classmates to name their favorite season. The results are shown in the table.






Favorite Seasons	
Season	Number of Students
Winter	2
Spring	3
Summer	8
Fall	5

Which graph correctly displays the data from the table?





42 Chris is going to make a snack. The pictures in the chart show his choices for a piece of fruit and a cookie.

Snack





Fruit	Cookie
	
	
	

Which shows ALL the different combinations of 1 piece of fruit and 1 cookie that Chris can make?






F







G

H

















J

43 Look at the pictograph.

Car Colors at the Car Wash

Color	Number of Cars
White	 
Red	   
Blue	  
Silver	

Key: Each  = 2 cars.

Based on the graph, what was the total number of cars at the car wash?

- A** 20
- B** 18
- C** 14
- D** 10

44 This pattern repeats the first four figures.



If this pattern is continued following the same rule, what will be the next 3 figures?

F △□○

G □○○

H ○△○

J ○○△

45 The number sentence below models an addition property.

$$1 + 2 = 2 + 1$$

Which number can be placed in the box so that the following number sentence models the same kind of property?

$$4 + 9 = 9 + \square$$

A 4

B 5

C 9

D 13

46 Which is true?

- F** $42 = 35 + 7$
- G** $42 = 42 + 2$
- H** $42 = 7 \times 5$
- J** $42 = 6 \times 6$

47 Look at this pattern of numbers.

122, 125, 128, 131, 134, ____

If this pattern continues following the same rule, what should be the next number?

- A** 135
- B** 137
- C** 141
- D** 144

48 Ming had 11 pencils in her pencil box. Each pencil was either yellow or red. If 8 pencils were yellow, how many red pencils were in Ming's pencil box?

- F** 19
- G** 9
- H** 4
- J** 3

49 What number goes in the blank to make the statement true?

$$8 \times \underline{\hspace{1cm}} = 8$$

- A** 0
- B** 1
- C** 8
- D** 16

50 A subtraction rule was used to make the number pattern shown.

70, 65, 60, 55,

The pattern continues in the same way. What will be the next number?

- F** 60
- G** 50
- H** 45
- J** 40

