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Practice Test

2009-10

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SAT®

SECTION 2
Time — 25 minutes
20 Questions

Turn to Section 2 (page 4) of your answer sheet to answer the questions in this section.

Directions: For this section, solve each problem and decide which is the best of the choices given. Fill in the corresponding circle on the answer sheet. You may use any available space for scratchwork.

Notes

1. The use of a calculator is permitted.
2. All numbers used are real numbers.
3. Figures that accompany problems in this test are intended to provide information useful in solving the problems. They are drawn as accurately as possible EXCEPT when it is stated in a specific problem that the figure is not drawn to scale. All figures lie in a plane unless otherwise indicated.
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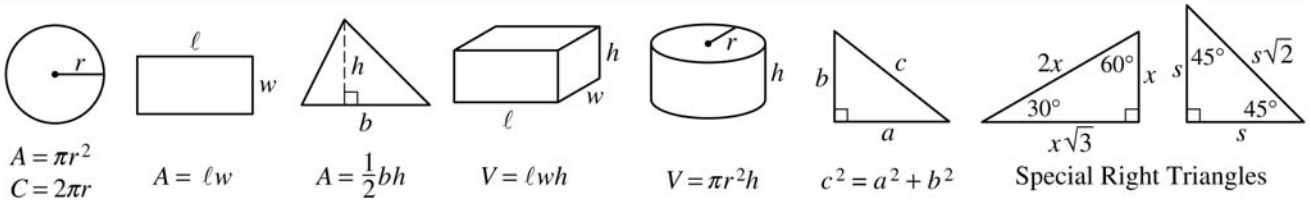
Reference Information



$A = \pi r^2$, $C = 2\pi r$ | $A = \ell w$ | $A = \frac{1}{2}bh$ | $V = \ell wh$ | $V = \pi r^2 h$ | $c^2 = a^2 + b^2$ | Special Right Triangles

The number of degrees of arc in a circle is 360.
The sum of the measures in degrees of the angles of a triangle is 180.

1. When 70,000 is written as 7.0×10^n, what is the value of n?

(A) 1
(B) 2
(C) 3
(D) 4
(E) 5

2. On a car trip Sam drove m miles, Kara drove twice as many miles as Sam, and Darin drove 20 fewer miles than Kara. In terms of m, how many miles did Darin drive?

(A) $2m + 20$
(B) $2m - 20$
(C) $\frac{m}{2} + 20$
(D) $\frac{m + 20}{2}$
(E) $\frac{m}{2} - 20$

3. If x and y are positive integers, what are all the solutions (x, y) of the equation $3x + 2y = 11$?

(A) $(1, 4)$ only
(B) $(3, 1)$ only
(C) $(1, 4)$ and $(2, 2)$
(D) $(1, 4)$ and $(3, 1)$
(E) $(2, 2)$ and $(3, 1)$

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4. A company's profit, P, in dollars, for producing x machines in one day is given by $P = 500x - 20x^2$. If the company produces 10 machines in one day, then, according to this formula, what is the profit for that day?

(A) \$5,000
(B) \$4,000
(C) \$3,000
(D) \$2,000
(E) \$1,000

$$12 - n,\ 12,\ 12 + n$$

5. What is the average (arithmetic mean) of the 3 quantities in the list above?

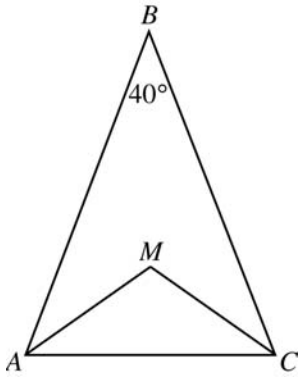
(A) 4

(B) 12

(C) 18

(D) $4 + \frac{n}{3}$

(E) $12 + \frac{n}{3}$



6. In isosceles triangle ABC above, $\overline{AM}$ and $\overline{CM}$ are the angle bisectors of angle BAC and angle BCA. What is the measure of angle AMC ?

(A) 110°
(B) 115°
(C) 120°
(D) 125°
(E) 130°

7. A fruit salad is made from pineapples, pears, and peaches mixed in the ratio of 2 to 3 to 5, respectively, by weight. What fraction of the mixture by weight is pineapple?

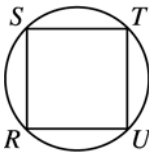
(A) $\frac{1}{5}$

(B) $\frac{3}{10}$

(C) $\frac{2}{5}$

(D) $\frac{1}{2}$

(E) $\frac{2}{3}$



8. In the figure above, square $RSTU$ is inscribed in the circle. What is the degree measure of arc $\overset{\frown}{ST}$?

(A) 45°
(B) 60°
(C) 90°
(D) 120°
(E) 180°

---

9. If P and Q are two sets of numbers, and if every number in P is also in Q, which of the following CANNOT be true?

(A) 4 is in both P and Q.
(B) 5 is in neither P nor Q.
(C) 6 is in P, but not in Q.
(D) 7 is in Q, but not in P.
(E) If 8 is not in Q, then 8 is not in P.

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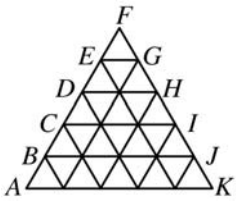
10. What is the maximum number of rectangular blocks measuring 3 inches by 2 inches by 1 inch that can be packed into a cube-shaped box whose interior measures 6 inches on an edge?

(A) 24
(B) 28
(C) 30
(D) 36
(E) 40

---

11. If $a \neq 0$ and $\frac{5}{x} = \frac{5+a}{x+a}$, what is the value of x?

(A) -5
(B) -1
(C) 1
(D) 2
(E) 5



12. The figure above is composed of 25 small triangles that are congruent and equilateral. If the area of $\triangle DFH$ is 10, what is the area of $\triangle AFK$?

(A) 40
(B) 42.5
(C) 50
(D) 52.5
(E) 62.5

$$3x + 2y + 2z = 19$$
$$3x + y + z = 14$$

13. If the equations above are true, which of the following is the value of $y + z$?

(A) -5
(B) -4
(C) 0
(D) 4
(E) 5

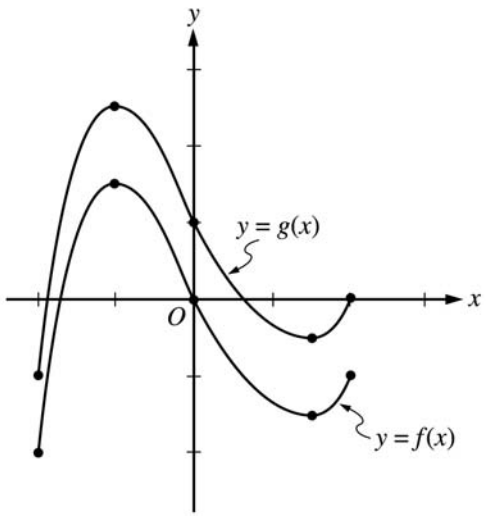
14. A boat costs x dollars, and this cost is to be shared equally by a group of people. In terms of x, how many dollars less will each person contribute if there are 4 people in the group instead of 3?

(A) $\frac{x}{12}$
(B) $\frac{x}{4}$
(C) $\frac{x}{3}$
(D) $\frac{7x}{12}$
(E) $7x$

---

15. If $y = 2x + 3$ and $x < 2$, which of the following represents all the possible values for y?

(A) $y < 7$
(B) $y > 7$
(C) $y < 5$
(D) $y > 5$
(E) $5 < y < 7$



16. The graphs of the functions f and g in the interval from $x = -2$ to $x = 2$ are shown above. Which of the following could express g in terms of f?

(A) $g(x) = f(x+1)$
(B) $g(x) = f(x) + 1$
(C) $g(x) = f(x+1) + 1$
(D) $g(x) = f(x-1)$
(E) $g(x) = f(x) - 1$

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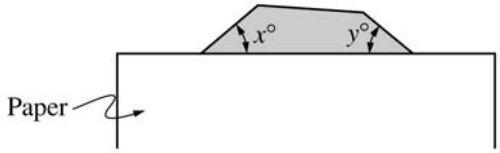
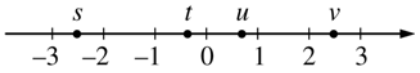


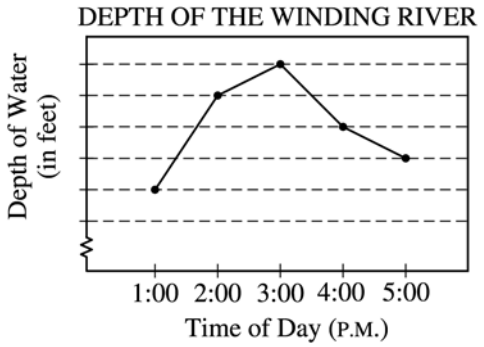
17. In the figure above, a shaded polygon which has equal sides and equal angles is partially covered with a sheet of blank paper. If $x + y = 80$, how many sides does the polygon have?

(A) Ten
(B) Nine
(C) Eight
(D) Seven
(E) Six



18. If s, t, u, and v are the coordinates of the indicated points on the number line above, which of the following is greatest?

(A) $|s + t|$
(B) $|s + v|$
(C) $|s - t|$
(D) $|s - v|$
(E) $|s + u|$



19. On the day of a rainstorm, the depth of the water at a certain location along the Winding River was recorded hourly, and the results are indicated in the line graph above. Each unit on the vertical axis represents 1 foot. If the depth of the water decreased 10 percent from 3:00 P.M. to 4:00 P.M., what was the depth of the water at 4:00 P.M.?

(A) 3 feet
(B) 15 feet
(C) 18 feet
(D) 20 feet
(E) 30 feet

20. For all numbers a and b, let $a \odot b$ be defined by $a \odot b = ab + a + b$. For all numbers x, y, and z, which of the following must be true?

I. $x \odot y = y \odot x$
II. $(x - 1) \odot (x + 1) = (x \odot x) - 1$
III. $x \odot (y + z) = (x \odot y) + (x \odot z)$

(A) I only
(B) II only
(C) III only
(D) I and II only
(E) I, II, and III

STOP

If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.

SECTION 6
Time — 25 minutes
18 Questions

Turn to Section 6 (page 6) of your answer sheet to answer the questions in this section.

Directions: This section contains two types of questions. You have 25 minutes to complete both types. For questions 1-8, solve each problem and decide which is the best of the choices given. Fill in the corresponding circle on the answer sheet. You may use any available space for scratchwork.

Notes

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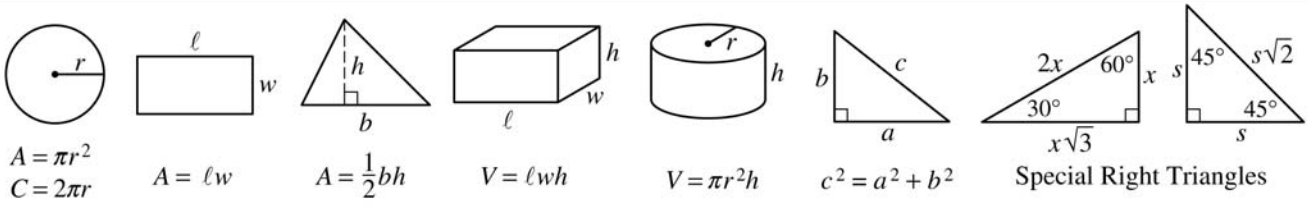

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The number of degrees of arc in a circle is 360.
The sum of the measures in degrees of the angles of a triangle is 180.

1. If $x + k = 12$ and $p(x + k) = 36$, what is the value of p ?

(A) 3
(B) 4
(C) 6
(D) 9
(E) 12

2. If 13 is added to one-half of a certain number, the result is 37. What is the original number?

(A) 24
(B) 40
(C) 48
(D) 61
(E) 80

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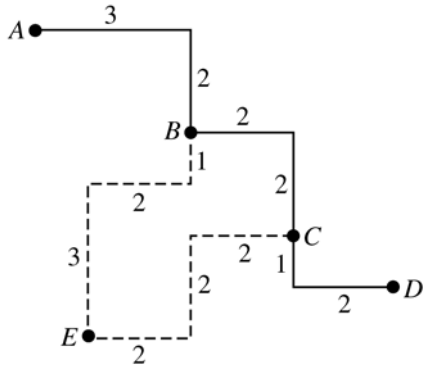


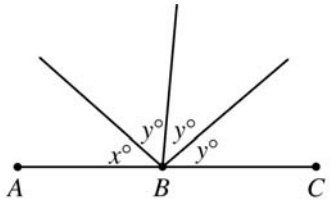
3. In the figure above, the usual route from Town A to Town D is indicated by the solid line. The broken line indicates a detour route from B to C through E. Each line segment is labeled with its length in miles. How many more miles is the trip from Town A to Town D via the detour than via the usual route?

(A) 4
(B) 8
(C) 10
(D) 12
(E) 18

x	y
1	7.5
2	13.0
3	18.5
4	24.0

4. Which of the following equations expresses y in terms of x for each of the four pairs of values shown in the table above?

(A) $y = 5x + 7.5$
(B) $y = 5.5x + 2$
(C) $y = 5.5x + 7.5$
(D) $y = 7.5x$
(E) $y = 7.5x + 5.5$



Note: Figure not drawn to scale.

5. In the figure above, point B lies on $\overline{AC}$. If x and y are integers, which of the following is a possible value of x ?

(A) 30
(B) 35
(C) 40
(D) 50
(E) 55

6. The least and greatest numbers in a list of 7 real numbers are 2 and 20, respectively. The median of the list is 6, and the number 3 occurs most often in the list. Which of the following could be the average (arithmetic mean) of the numbers in the list?

I. 7
II. 8.5
III. 10

(A) I only
(B) I and II only
(C) I and III only
(D) II and III only
(E) I, II, and III

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7. In the *xy*-coordinate plane, how many points are a distance of 4 units from the origin?

(A) One
(B) Two
(C) Three
(D) Four
(E) More than four

Family	Number of Consecutive Nights
Jackson	10
Callan	5
Epstein	8
Liu	6
Benton	8

8. The table above shows the number of consecutive nights that each of five families stayed at a certain hotel during a 14-night period. If the Liu family's stay did not overlap with the Benton family's stay, which of the 14 nights could be a night on which only one of the five families stayed at the hotel?

(A) The 3rd
(B) The 5th
(C) The 6th
(D) The 8th
(E) The 10th

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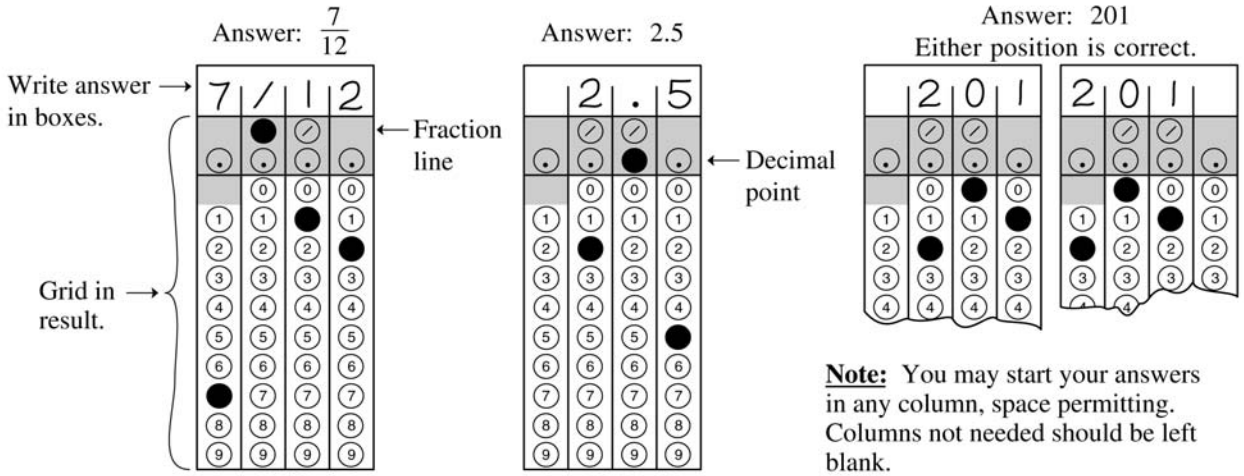
Directions: For Student-Produced Response questions 9-18, use the grids at the bottom of the answer sheet page on which you have answered questions 1-8.

Each of the remaining 10 questions requires you to solve the problem and enter your answer by marking the circles in the special grid, as shown in the examples below. You may use any available space for scratchwork.

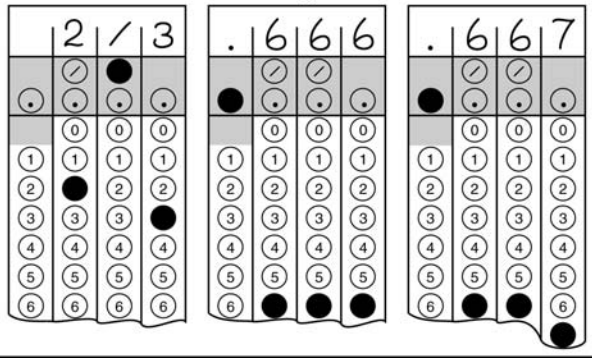


Note: You may start your answers in any column, space permitting. Columns not needed should be left blank.

- Mark no more than one circle in any column.
- Because the answer sheet will be machine-scored, **you will receive credit only if the circles are filled in correctly.**
- Although not required, it is suggested that you write your answer in the boxes at the top of the columns to help you fill in the circles accurately.
- Some problems may have more than one correct answer. In such cases, grid only one answer.
- No question has a negative answer.
- **Mixed numbers** such as $3\frac{1}{2}$ must be gridded as 3.5 or 7/2. (If  is gridded, it will be interpreted as $\frac{31}{2}$, not $3\frac{1}{2}$.)

- **Decimal Answers:** If you obtain a decimal answer with more digits than the grid can accommodate, it may be either rounded or truncated, but it must fill the entire grid. For example, if you obtain an answer such as 0.6666..., you should record your result as .666 or .667. **A less accurate value such as .66 or .67 will be scored as incorrect.**

Acceptable ways to grid $\frac{2}{3}$ are:



9. If a cake is cut into thirds and each third is cut into fourths, how many pieces of cake are there?

10. If $y = \frac{h}{x}$, where h is a constant, and if $y = 3$ when $x = 4$, what does y equal when $x = 6$?

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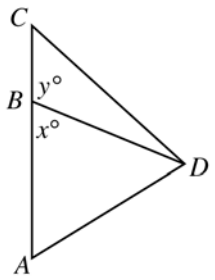
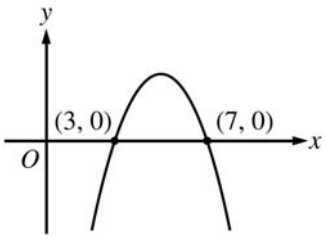


Note: Figure not drawn to scale.

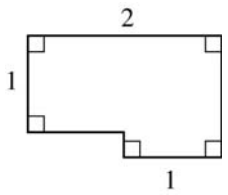
11. In the figure above, point B lies on side $\overline{AC}$. If $55 < x < 60$, what is one possible value of y ?

12. The price of a certain item was \$10 in 1990 and it has gone up by \$2 per year since 1990. If this trend continues, in what year will the price be \$100 ?



13. The figure above shows the graph of a quadratic function in the xy-plane. Of all the points (x, y) on the graph, for what value of x is the value of y greatest?

14. The number n is a 2-digit number. When n is divided by 10, the remainder is 9, and when n is divided by 9, the remainder is 8. What is the value of n ?



15. The area of the figure above is $\frac{9}{4}$. What is the perimeter of the figure?

16. If j is chosen at random from the set $\{4, 5, 6\}$ and k is chosen at random from the set $\{10, 11, 12\}$, what is the probability that the product of j and k is divisible by 5 ?

17. Tom and Alison are both salespeople. Tom's weekly compensation consists of \$300 plus 20 percent of his sales. Alison's weekly compensation consists of \$200 plus 25 percent of her sales. If they both had the same amount of sales and the same compensation for a particular week, what was that compensation, in dollars? (Disregard the dollar sign when gridding your answer.)

$$tx + 12y = -3$$

18. The equation above is the equation of a line in the xy-plane, and t is a constant. If the slope of the line is -10, what is the value of t ?

S T O P

If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.

SECTION 9
Time — 20 minutes
16 Questions

Turn to Section 9 (page 7) of your answer sheet to answer the questions in this section.

Directions: For this section, solve each problem and decide which is the best of the choices given. Fill in the corresponding circle on the answer sheet. You may use any available space for scratchwork.

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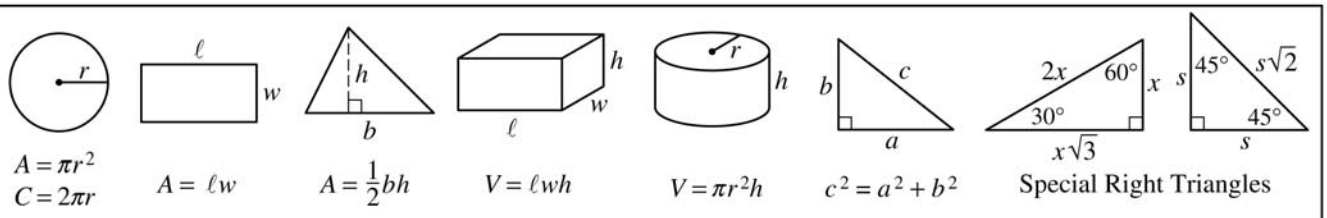

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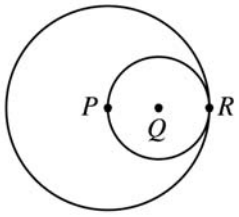
The number of degrees of arc in a circle is 360.
The sum of the measures in degrees of the angles of a triangle is 180.

1. If $\frac{1}{3}y + 9 = 0$, then $y =$

(A) –27
(B) –9
(C) –3
(D) 3
(E) 27



2. In the figure above, P, Q, and R lie on the same line. P is the center of the larger circle, and Q is the center of the smaller circle. If the radius of the larger circle is 4, what is the radius of the smaller circle?

(A) 1
(B) 2
(C) 4
(D) 8
(E) 16

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3. Roy planted corn on $\frac{1}{5}$ of his land. If he planted 45 acres of corn, how many acres of land does he have?

(A) 90

(B) $112\frac{1}{2}$

(C) 135

(D) 225

(E) $337\frac{1}{2}$

6, 10, 18, 34, 66

4. The first number in the list above is 6. Which of the following gives a rule for finding each successive number in the list?

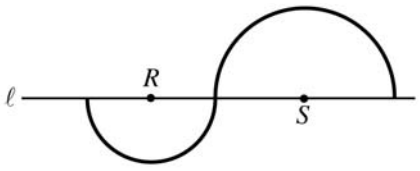
(A) Add 4 to the preceding number.

(B) Take $\frac{1}{2}$ of the preceding number and then add 7 to that result.

(C) Double the preceding number and then subtract 2 from that result.

(D) Subtract 2 from the preceding number and then double that result.

(E) Triple the preceding number and then subtract 8 from that result.



5. The two semicircles in the figure above have centers R and S, respectively. If $RS = 12$, what is the total length of the darkened curve?

(A) 8π

(B) 9π

(C) 12π

(D) 15π

(E) 16π

6. If h and k are positive numbers and $h + k = 7$, then $\frac{7-k}{h} =$

(A) 1

(B) 0

(C) -1

(D) h

(E) $k - 1$

Country	Total Population	Population Density
A	6,500,000 people	600 people per square mile
B	7,600,000 people	400 people per square mile

7. The table above shows the populations of two countries and their population densities. The number of square miles in the area of Country B is approximately how much greater than the number of square miles in the area of Country A ?

(A) 200

(B) 3,600

(C) 5,000

(D) 8,000

(E) 905,000,000

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8. If $x^2 = x + 6$, which of the following must be true?

(A) $x = 6$

(B) $x < 3$

(C) $x > 0$

(D) $x^2 < x$

(E) $x^2 > x$

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9. Let the function f be defined by $f(x) = 5x - 2a$, where a is a constant. If $f(10) + f(5) = 55$, what is the value of a ?

(A) -5
(B) 0
(C) 5
(D) 10
(E) 20

---

10. A number is called "even-odd" if it is halfway between an even integer and an odd integer. If x is an even-odd number, which of the following must be true?

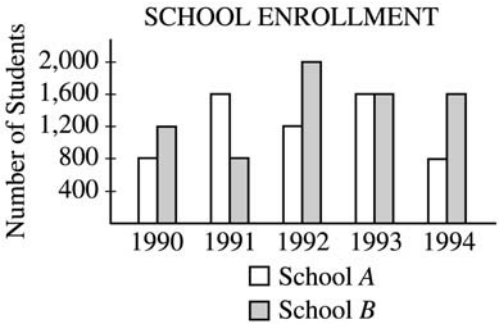
I. $2x$ is an integer.
II. $2x$ is even-odd.
III. x is halfway between two even integers.

(A) I only
(B) II only
(C) I and II only
(D) II and III only
(E) I, II, and III

---

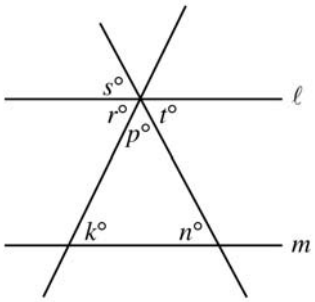
11. If m is a positive integer, which of the following is NOT equal to $\left(2^4\right)^m$?

(A) 2^{4m}
(B) 4^{2m}
(C) $2^m\left(2^{3m}\right)$
(D) $4^m\left(2^m\right)$
(E) 16^m



12. According to the graph above, in which year was the ratio of the number of students enrolled at School B to the number of students enrolled at School A the greatest?

(A) 1990
(B) 1991
(C) 1992
(D) 1993
(E) 1994



13. In the figure above, $\ell \parallel m$. Which of the following must equal 180 ?

(A) $k + n + r$
(B) $k + p + s$
(C) $n + p + s$
(D) $n + p + t$
(E) $r + s + t$

GO ON TO THE NEXT PAGE

14. How many different ordered pairs (x, y) are there such that x is an even integer, where $4 \le x \le 10$, and y is an integer, where $4 < y < 10$?

(A) 8
(B) 12
(C) 20
(D) 30
(E) 36

$$n(t) = 500(0.81)^t$$

15. The function above can be used to model the population of a certain endangered species of animal. If $n(t)$ gives the number of the species living t decades after the year 1900, which of the following is true about the population of the species from 1900 to 1920 ?

(A) It increased by about 1,000.
(B) It increased by about 320.
(C) It decreased by about 180.
(D) It decreased by about 320.
(E) It decreased by about 1,000.

16. A sphere of radius r inside a cube touches each one of the six sides of the cube. What is the volume of the cube, in terms of r ?

(A) r^3
(B) $2r^3$
(C) $4r^3$
(D) $\frac{4}{3}\pi r^3$
(E) $8r^3$

S T O P

If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.

Correct Answers and Difficulty Levels

Critical Reading

Section 4

	COR. ANS.	DIFF. LEV.		COR. ANS.	DIFF. LEV.
1.	E	1	13.	A	3
2.	C	1	14.	B	4
3.	A	4	15.	B	3
4.	E	2	16.	D	1
5.	D	4	17.	C	3
6.	E	4	18.	E	5
7.	B	5	19.	A	3
8.	A	5	20.	B	4
9.	C	3	21.	A	4
10.	C	2	22.	B	2
11.	A	2	23.	D	3
12.	E	1	24.	B	3

Number correct

Number incorrect

Section 7

	COR. ANS.	DIFF. LEV.		COR. ANS.	DIFF. LEV.
1.	D	1	13.	C	3
2.	D	1	14.	E	3
3.	A	2	15.	C	3
4.	C	5	16.	C	3
5.	B	5	17.	D	2
6.	E	3	18.	D	2
7.	B	1	19.	E	4
8.	C	4	20.	E	5
9.	A	5	21.	A	4
10.	B	3	22.	D	3
11.	B	5	23.	B	3
12.	A	3	24.	E	3

Number correct

Number incorrect

Section 8

	COR. ANS.	DIFF. LEV.		COR. ANS.	DIFF. LEV.
1.	B	1	11.	C	3
2.	D	2	12.	B	3
3.	E	3	13.	B	3
4.	D	3	14.	A	2
5.	E	5	15.	E	3
6.	D	5	16.	D	2
7.	A	3	17.	C	4
8.	C	3	18.	C	3
9.	D	3	19.	E	3
10.	D	3			

Number correct

Number incorrect

Math

Section 2

	COR. ANS.	DIFF. LEV.		COR. ANS.	DIFF. LEV.
1.	D	1	11.	E	3
2.	B	1	12.	E	2
3.	D	1	13.	E	3
4.	C	1	14.	A	4
5.	B	2	15.	A	4
6.	A	2	16.	B	4
7.	A	2	17.	B	5
8.	C	3	18.	D	4
9.	C	3	19.	C	5
10.	D	2	20.	D	5

Number correct

Number incorrect

Section 6

Multiple-Choice Questions

	COR. ANS.	DIFF. LEV.
1.	A	1
2.	C	1
3.	B	2
4.	B	2
5.	A	3
6.	E	5
7.	E	4
8.	A	4

Number correct

Number incorrect

Student-Produced Response Questions

	COR. ANS.	DIFF. LEV.
9.	12	1
10.	2	2
11.	120 < x < 125	2
12.	2035	3
13.	5	3
14.	89	3
15.	13/2 or 6.5	4
16.	5/9, .555 or .556	4
17.	700	5
18.	120	4

Number correct (9-18)

Section 9

	COR. ANS.	DIFF. LEV.		COR. ANS.	DIFF. LEV.
1.	A	1	9.	C	3
2.	B	1	10.	A	3
3.	D	1	11.	D	3
4.	C	1	12.	E	4
5.	C	3	13.	B	4
6.	A	2	14.	C	4
7.	D	3	15.	C	5
8.	E	3	16.	E	5

Number correct

Number incorrect

Writing

Section 5

	COR. ANS.	DIFF. LEV.		COR. ANS.	DIFF. LEV.		COR. ANS.	DIFF. LEV.		COR. ANS.	DIFF. LEV.
1.	D	1	10.	E	3	19.	E	3	28.	C	5
2.	C	1	11.	C	3	20.	A	3	29.	B	5
3.	A	1	12.	B	1	21.	C	3	30.	B	3
4.	E	1	13.	E	3	22.	B	3	31.	E	3
5.	C	1	14.	C	2	23.	B	3	32.	D	3
6.	B	1	15.	C	2	24.	A	3	33.	A	3
7.	E	2	16.	E	3	25.	C	4	34.	C	4
8.	C	2	17.	C	3	26.	B	3	35.	E	3
9.	A	2	18.	B	3	27.	B	4			

Number correct

Number incorrect

Section 10

	COR. ANS.	DIFF. LEV.		COR. ANS.	DIFF. LEV.		COR. ANS.	DIFF. LEV.
1.	C	1	6.	B	2	11.	A	3
2.	C	1	7.	E	1	12.	C	4
3.	A	1	8.	D	3	13.	E	5
4.	C	2	9.	A	3	14.	E	5
5.	B	1	10.	D	3			

Number correct

Number incorrect

NOTE: Difficulty levels are estimates of question difficulty for a reference group of college-bound seniors. Difficulty levels range from 1 (easiest) to 5 (hardest).

SAT Score Conversion Table

Raw Score	Critical Reading Scaled Score	Math Scaled Score	Writing Multiple-Choice Scaled Score*	Raw Score	Critical Reading Scaled Score	Math Scaled Score	Writing Multiple-Choice Scaled Score*
67	800			31	510	560	54
66	800			30	500	550	54
65	800			29	500	540	53
64	780			28	490	530	52
63	760			27	480	530	51
62	750			26	480	520	50
61	730			25	470	510	49
60	720			24	460	500	48
59	710			23	460	490	47
58	700			22	450	480	47
57	690			21	450	470	46
56	680			20	440	460	45
55	670			19	430	450	44
54	660	800		18	430	440	43
53	650	800		17	420	430	42
52	640	780		16	410	420	41
51	640	760		15	410	420	41
50	630	740		14	400	410	40
49	620	730	80	13	390	400	39
48	610	720	78	12	380	390	38
47	610	710	75	11	380	380	37
46	600	700	73	10	370	370	36
45	590	690	71	9	360	360	35
44	590	680	69	8	350	350	34
43	580	670	67	7	340	330	33
42	580	660	66	6	330	320	32
41	570	650	65	5	320	310	31
40	560	640	64	4	310	290	30
39	560	630	62	3	300	280	28
38	550	620	61	2	280	260	27
37	540	620	60	1	270	240	25
36	540	610	59	0	250	210	24
35	530	600	58	-1	230	200	22
34	530	590	57	-2	210	200	20
33	520	580	56	-3	200	200	20
32	510	570	55	and below			

This table is for use only with the test in this booklet.

*The writing multiple-choice score is reported on a 20-80 scale. Use the table on the following page for the writing composite scaled score.

SAT Writing Composite Score Conversion Table

Writing MC Raw Score	Essay Raw Score											
	12	11	10	9	8	7	6	5	4	3	2	0
49	800	800	800	800	790	760	750	730	720	710	690	680
48	800	800	780	770	750	720	710	690	680	670	650	640
47	790	770	760	740	720	700	680	660	650	640	630	620
46	770	750	740	720	700	680	660	650	630	620	610	600
45	750	740	720	710	690	660	650	630	620	610	590	580
44	740	730	710	690	670	650	630	620	600	590	580	570
43	730	710	700	680	660	640	620	600	590	580	560	550
42	720	700	680	670	650	630	610	590	580	570	550	540
41	700	690	670	660	640	610	600	580	570	560	540	530
40	690	680	660	650	630	600	590	570	560	550	530	520
39	690	670	650	640	620	590	580	560	550	540	520	510
38	680	660	640	630	610	590	570	550	540	530	510	500
37	670	650	640	620	600	580	560	540	530	520	500	490
36	660	640	630	610	590	570	550	530	520	510	490	490
35	650	640	620	600	580	560	540	530	510	500	490	480
34	640	630	610	590	570	550	530	520	510	490	480	470
33	630	620	600	590	570	540	530	510	500	490	470	460
32	630	610	600	580	560	540	520	500	490	480	460	450
31	620	600	590	570	550	530	510	500	480	470	460	450
30	610	600	580	560	540	520	500	490	480	460	450	440
29	610	590	570	560	540	520	500	480	470	460	440	430
28	600	580	570	550	530	510	490	470	460	450	430	420
27	590	580	560	540	520	500	480	470	450	440	430	420
26	580	570	550	540	510	490	480	460	450	440	420	410
25	580	560	550	530	510	490	470	450	440	430	410	400
24	570	550	540	520	500	480	460	450	430	420	410	400
23	560	550	530	510	490	470	450	440	430	410	400	390
22	560	540	520	510	490	470	450	430	420	410	390	380
21	550	530	520	500	480	460	440	420	410	400	380	380
20	540	530	510	490	470	450	430	420	400	390	380	370
19	530	520	500	490	470	440	430	410	400	390	370	360
18	530	510	500	480	460	440	420	400	390	380	360	350
17	520	500	490	470	450	430	410	400	380	370	360	350
16	510	500	480	470	440	420	400	390	380	360	350	340
15	510	490	470	460	440	420	400	380	370	360	340	330
14	500	480	470	450	430	410	390	370	360	350	330	330
13	490	480	460	440	420	400	380	370	350	340	330	320
12	480	470	450	440	410	390	380	360	350	340	320	310
11	480	460	440	430	410	390	370	350	340	330	310	300
10	470	450	440	420	400	380	360	340	330	320	300	300
9	460	450	430	410	390	370	350	340	320	310	300	290
8	450	440	420	400	380	360	340	330	320	300	290	280
7	440	430	410	400	380	350	340	320	310	300	280	270
6	440	420	400	390	370	350	330	310	300	290	270	260
5	430	410	390	380	360	340	320	300	290	280	260	250
4	420	400	380	370	350	330	310	290	280	270	250	240
3	410	390	370	360	340	320	300	280	270	260	240	230
2	390	380	360	350	320	300	290	270	260	250	230	220
1	380	370	350	330	310	290	270	260	240	230	220	210
0	370	350	340	320	300	280	260	240	230	220	200	200
-1	350	340	320	300	280	260	240	230	210	200	200	200
-2	340	320	300	290	270	250	230	210	200	200	200	200
-3	320	300	290	270	250	230	210	200	200	200	200	200
-4 and below	310	300	280	260	240	220	200	200	200	200	200	200

This table is for use only with the test in this booklet.