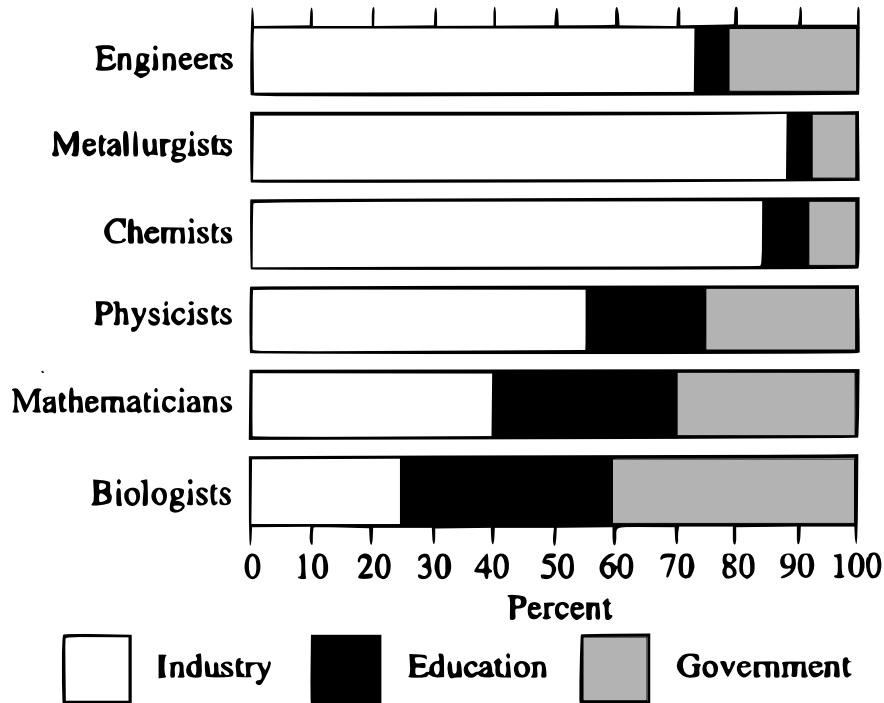


SSAT Practice Test Middle Level Quantitative

1. The fractional part of the number of biologists employed in education in year X was approximately

**HOW SCIENTISTS AND ENGINEERS WERE EMPLOYED
IN THE UNITED STATES IN YEAR X**



- (A) $\frac{1}{4}$
- (B) $\frac{7}{20}$
- (C) $\frac{1}{3}$
- (D) $\frac{3}{5}$
- (E) $\frac{7}{10}$

2.

The dimensions of a rectangular living room are 20 ft. by 18 ft. How many square yards of carpeting are needed to cover the floor?

- (A) 40

- (B) 45
- (C) 90
- (D) 240
- (E) 360

3.

The shaded region in the figure shown is divided by lines K , L , M , and S . The area between K and M is 45 square meters, between L and S is 40 square meters, and between M and S is 25 square meters. What is the area, in square meters, between K and L ?

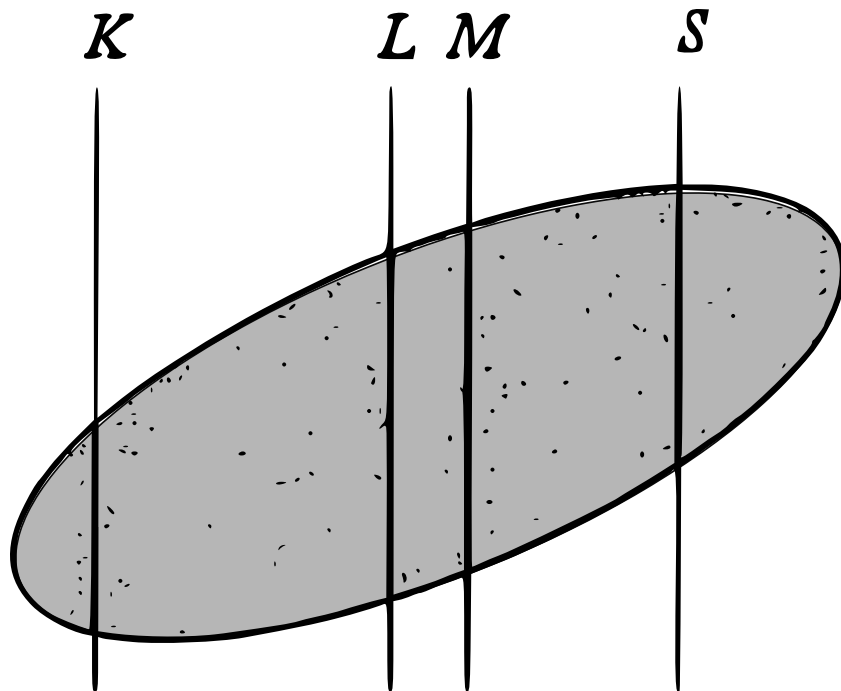


Figure not drawn to scale.

- (A) 20
- (B) 30
- (C) 35
- (D) 60
- (E) 110

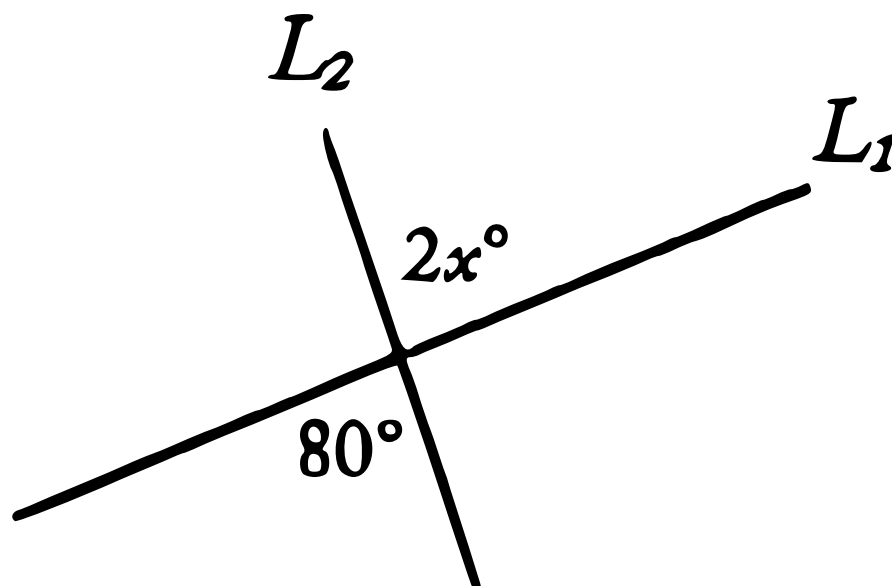
4. Find the value of the expression: $2(15 - 7) - 3$

- (A) 10
- (B) 13
- (C) 19
- (D) 20
- (E) 41

5. A certain machine processes 500 letters every six minutes. At that rate, how long will it take the machine to process 7,750 letters?

- (A) 1 hour 33 minutes
- (B) 1 hour 39 minutes
- (C) 1 hour 45 minutes
- (D) 2 hours 58 minutes
- (E) 15 hours 30 minutes

6. In the figure, $x =$



- (A) 40
- (B) 50
- (C) 80
- (D) 100
- (E) 160

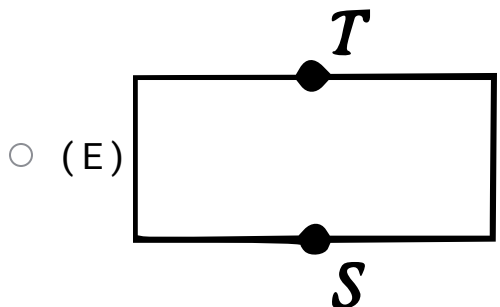
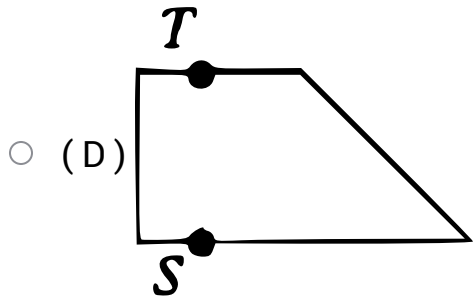
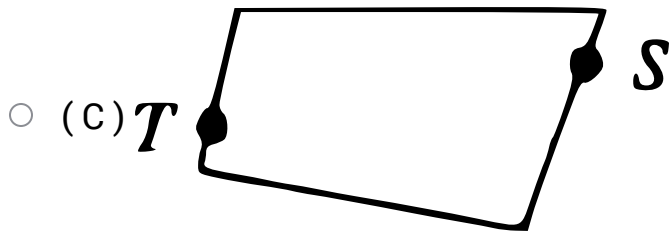
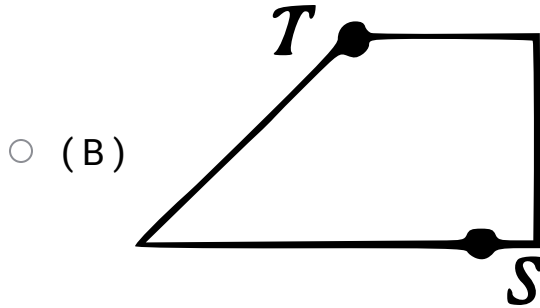
7. If $500 + 100 + \square + \blacktriangle = 668$, what does $\square + \blacktriangle$ equal?

- (A) 8
- (B) 60
- (C) 68
- (D) 600
- (E) It cannot be determined from the information given.

8. Round 45.61849 to the nearest thousandth.

- (A) 45.61
- (B) 45.618
- (C) 45.619
- (D) 45.6184
- (E) 45.6185

9. In which of the following figures will a triangle be formed if T and S are joined by a straight line?



10. Which set of numbers will all be equal if rounded to the nearest tenth?

- (A) 3.15, 3.23, 3.18, 3.209
- (B) 4.36, 4.41, 4.45, 4.409
- (C) 5.09, 5.14, 5.149, 5.15
- (D) 6.17, 6.08, 6.05, 6.14

(E) 7.91, 7.95, 7.88, 7.85

11. If $200 + a = 800$, then $400 + a =$

(A) 1,600

(B) 1,400

(C) 1,200

(D) 1,000

(E) 600

12. If $17 + 17 + 17 + 17 + 17 + 17 = 6 \times \square$, what number goes in the \square ?

(A) 6

(B) 17

(C) 62

(D) 87

(E) 102

13. $\frac{1}{3} \div \frac{1}{3}$

(A) 0

(B) $\frac{1}{9}$

(C) $\frac{1}{3}$

(D) 1

(E) 9

14. If 10 percent of a number is 40, then 20 percent of the same number is

(A) 8

(B) 20

(C) 25

(D) 50

(E) 80

15. Pat is stringing beads in the pattern one yellow, one red, one blue, one green, and one white. The 64th bead will be what color?

(A) yellow

(B) red

(C) blue

(D) green

(E) white

16. Josh is half as old as his sixteen-year-old sister, Lisa. How old will Josh be when Lisa is twenty years old?

(A) 4

(B) 6

(C) 20

(D) 12

(E) 36

17. Which of the following is Step 6 in the number trick above?

Number Trick	
Step 1	Pick a number greater than 0.
Step 2	Multiply the number by 4.
Step 3	Add 8.
Step 4	Take 50%.
Step 5	Add 2.
Step 6	? The answer is 6.

(A) Subtract 12.

(B) Multiply by 3.

(C) Add the number picked.

(D) Subtract the number picked .

(E) Subtract twice the number picked.

18. How many eighths are there in $2\frac{3}{8}$?

(A) 19

(B) 13

- (C) 8
- (D) 5
- (E) 3

19. Order the following from least to greatest:

- (A) 76%, 0.54, $\frac{1}{2}$, 35%, $\frac{3}{4}$, 0.92
- (B) $\frac{1}{2}$, $\frac{3}{4}$, 35%, 0.54, 76%, 0.92
- (C) $\frac{1}{2}$, 35%, $\frac{3}{4}$, 0.54, 76%, 0.92
- (D) 0.54, 0.92, $\frac{1}{2}$, 35%, $\frac{3}{4}$, 76%
- (E) 35%, $\frac{1}{2}$, 0.54, $\frac{3}{4}$, 76%, 0.92

20. What is the area of the figure?

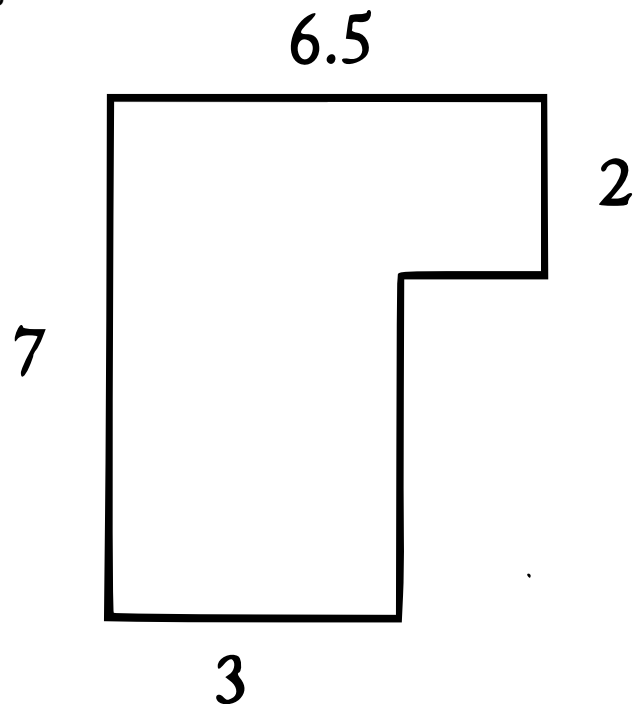


Figure not drawn to scale.

- (A) 18.5 sq. units

- (B) 27 sq. units
- (C) 28 sq. units
- (D) 34 sq. units
- (E) 27.5 sq. units

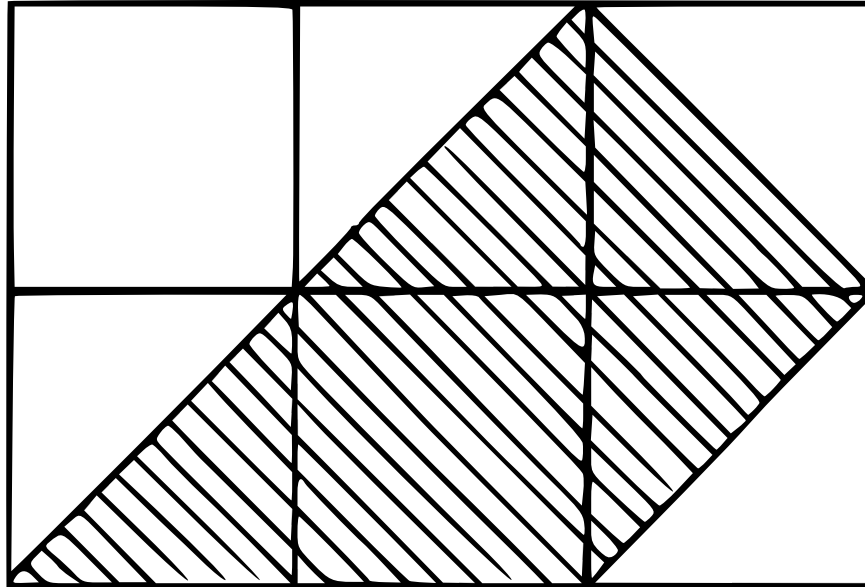
21. On a certain test, 15 students answered more than 10 questions correctly and eight students answered at least 12 questions correctly. How many students answered exactly 11 questions correctly?

- (A) 3
- (B) 4
- (C) 5
- (D) 7
- (E) 9

22. Reduce, or simplify, $\frac{15}{60}$ to lowest terms.

- (A) $\frac{1}{4}$
- (B) $\frac{3}{20}$
- (C) $\frac{1}{3}$
- (D) $\frac{3}{12}$
- (E) **0.25**

23. The rectangle in the figure has six squares and the area of each square is 3. What is the area of the shaded region?

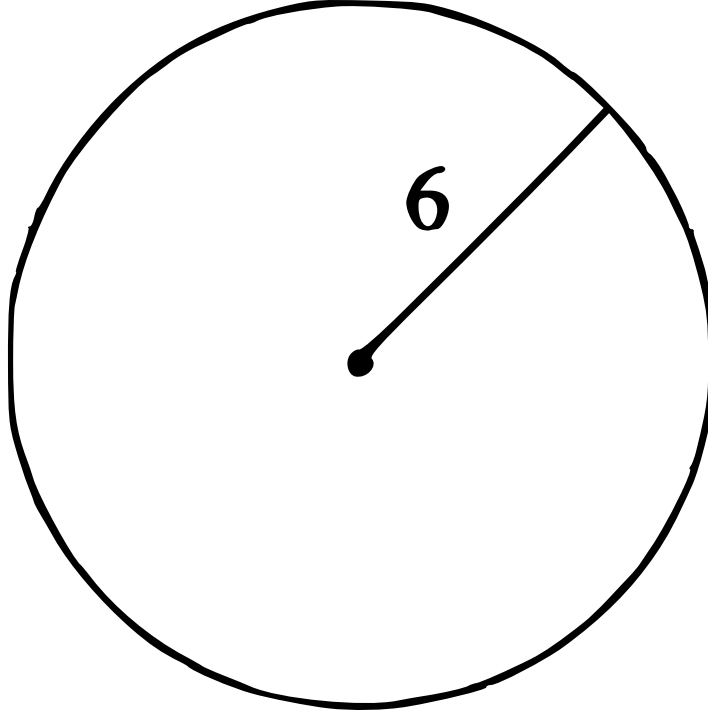


- (A) 6
- (B) $7\frac{1}{2}$
- (C) 9
- (D) $10\frac{1}{2}$
- (E) 12

24. The sum of three consecutive even numbers is 258. What is the smallest number?

- (A) 82
- (B) 84
- (C) 85
- (D) 86
- (E) 88

25. In the figure, the distance from the center of the circle to any point on the circle is 6. Which could NOT be the length of any line segment that lies inside the circle?



- (A) 13
- (B) 9
- (C) 8
- (D) 6
- (E) 4