



# 200 SAT ALGEBRA PRACTICE QUESTIONS

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• Math

## Inside This Workbook

- 200 Algebra Math Practice Questions

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## SAT Algebra Mastery – 200 Practice Questions

Topic	Questions
Linear equations	60 (Q1–60)
Multi-step equations	30 (Q61–90)
Systems of equations	30 (Q91–120)
Linear inequalities	20 (Q121–140)
Linear functions & slope	30 (Q141–170)
Word problems	30 (Q171–200)
<b>Total</b>	<b>200</b>

Here are **60 SAT-style Linear Equation questions** (medium difficulty, multiple choice) modeled after the **SAT Digital format**

### Question 1

If  $3x + 5 = 20$ , what is the value of  $x$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **C**

---

### Question 2

If  $4x + 7 = 27$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

**Question 3**

Solve for  $x$ :  $5x - 10 = 20$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 4**

If  $2x + 9 = 19$ , what is  $x$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: C

---

**Question 5**

Solve:  $6x - 3 = 21$

- A. 3
- B. 4
- C. 5
- D. 6

Answer: B

---

**Question 6**

If  $7x + 4 = 39$ , what is  $x$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: C

---

**Question 7**

Solve for  $x$ :  $8x - 4 = 36$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 8**

If  $9x + 3 = 48$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 9**

Solve:  $3x + 6 = 21$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 10**

If  $5x + 2 = 27$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 11**

Solve for  $x$ :  $6x + 8 = 38$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 12**

If  $7x - 7 = 35$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **C**

---

**Question 13**

Solve:  $4x + 12 = 32$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 14**

If  $2x + 13 = 23$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 15**

Solve for  $x$ :  $9x - 9 = 36$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 16**

If  $8x + 6 = 46$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 17**

Solve:  $3x + 15 = 30$

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **C**

---

**Question 18**

If  $6x + 5 = 41$ , what is  $x$ ?

- A. 5
- B. 6
- C. 7
- D. 8

Answer: **B**

---

**Question 19**

Solve for  $x$ :  $4x + 16 = 36$

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **C**

---

**Question 20**

If  $7x + 2 = 37$ , what is  $x$ ?

- A. 4
- B. 5

C. 6

D. 7

Answer: **B**

---

**Question 21**

Solve:  $5x + 10 = 40$

A. 4

B. 5

C. 6

D. 7

Answer: **C**

---

**Question 22**

If  $2x + 7 = 17$ , what is  $x$ ?

A. 3

B. 4

C. 5

D. 6

Answer: **C**

---

**Question 23**

Solve for  $x$ :  $3x + 18 = 33$

A. 4

B. 5

C. 6

D. 7

Answer: **B**

---

**Question 24**

If  $8x - 2 = 38$ , what is  $x$ ?

A. 4

B. 5

C. 6

D. 7

Answer: **B**

**Question 25**

Solve:  $6x + 12 = 48$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 26**

If  $5x + 3 = 28$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: B

---

**Question 27**

Solve for  $x$ :  $7x - 14 = 28$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 28**

If  $4x + 4 = 24$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: B

---

**Question 29**

Solve:  $9x + 6 = 60$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 30**

If  $3x + 12 = 24$ , what is  $x$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: B

---

**Question 31**

Solve for  $x$ :  $8x + 8 = 48$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: B

---

**Question 32**

If  $6x - 6 = 30$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 33**

Solve:  $5x + 5 = 35$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 34**

If  $7x + 7 = 42$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: B

---

**Question 35**

Solve for  $x$ :  $4x + 20 = 44$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 36**

If  $3x + 9 = 27$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 37**

Solve:  $2x + 16 = 24$

- A. 3
- B. 4
- C. 5
- D. 6

Answer: B

---

**Question 38**

If  $9x - 3 = 42$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 39**

Solve for  $x$ :  $8x + 4 = 44$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 40**

If  $6x + 6 = 42$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **C**

---

**Question 41**

Solve:  $5x + 15 = 40$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 42**

If  $7x + 1 = 36$ , what is  $x$ ?

- A. 4
- B. 5

C. 6

D. 7

Answer: B

---

**Question 43**

Solve for  $x$ :  $4x + 8 = 28$

A. 3

B. 4

C. 5

D. 6

Answer: C

---

**Question 44**

If  $3x + 6 = 18$ , what is  $x$ ?

A. 3

B. 4

C. 5

D. 6

Answer: B

---

**Question 45**

Solve:  $2x + 14 = 26$

A. 5

B. 6

C. 7

D. 8

Answer: B

---

**Question 46**

If  $8x - 8 = 40$ , what is  $x$ ?

A. 4

B. 5

C. 6

D. 7

Answer: C

**Question 47**

Solve for  $x$ :  $9x + 9 = 54$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 48**

If  $6x + 3 = 39$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **C**

---

**Question 49**

Solve:  $4x + 10 = 34$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **C**

---

**Question 50**

If  $3x + 21 = 36$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 51**

Solve for  $x$ :  $5x + 25 = 50$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 52**

If  $7x + 14 = 49$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 53**

Solve:  $6x + 18 = 48$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 54**

If  $2x + 20 = 30$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 55**

Solve for  $x$ :  $8x + 16 = 56$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 56**

If  $9x + 18 = 72$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **C**

---

**Question 57**

Solve:  $4x + 24 = 44$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 58**

If  $3x + 30 = 45$ , what is  $x$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 59**

Solve for  $x$ :  $7x + 21 = 56$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 60**

If  $5x + 20 = 45$ , what is  $x$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: C

Here are **30 SAT-style Multi-Step Equation questions (61–90)**

**Question 61**

Solve for  $x$ :  $2(x + 5) = 18$

- A. 3
- B. 4
- C. 5
- D. 6

Answer: B

---

**Question 62**

Solve for  $x$ :  $3(x - 2) = 12$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 63**

Solve:  $4(x + 3) = 28$

- A. 3
- B. 4
- C. 5
- D. 6

Answer: B

---

**Question 64**

Solve for  $x$ :  $5(x - 1) = 20$

- A. 3
- B. 4
- C. 5
- D. 6

Answer: C

---

**Question 65**

Solve:  $6(x + 2) = 30$

- A. 3
- B. 4
- C. 5
- D. 6

Answer: A

---

**Question 66**

Solve for  $x$ :  $2x + 5 = 3x - 7$

- A. 10
- B. 11
- C. 12
- D. 13

Answer: C

---

**Question 67**

Solve:  $3x + 4 = 2x + 12$

- A. 6
- B. 7
- C. 8
- D. 9

Answer: C

---

**Question 68**

Solve for  $x$ :  $4x - 3 = 2x + 9$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 69**

Solve:  $5x + 6 = 3x + 16$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: B

---

**Question 70**

Solve for  $x$ :  $6x + 1 = 4x + 13$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 71**

Solve:  $7(x + 2) = 35$

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

Answer: B

---

**Question 72**

Solve for  $x$ :  $8(x - 1) = 24$

- A. 3
- B. 4
- C. 5
- D. 6

Answer: B

---

**Question 73**

Solve:  $3(x + 4) = 21$

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

Answer: **B**

---

**Question 74**

Solve for  $x$ :  $4(x - 3) = 16$

- A. 6
- B. 7
- C. 8
- D. 9

Answer: **B**

---

**Question 75**

Solve:  $5(x + 6) = 40$

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

Answer: **A**

---

**Question 76**

Solve for  $x$ :  $3x + 7 = 5x - 9$

- A. 6
- B. 7
- C. 8
- D. 9

Answer: **C**

---

**Question 77**

Solve:  $6x - 5 = 4x + 9$

- A. 6
- B. 7

C. 8

D. 9

Answer: B

---

**Question 78**

Solve for  $x$ :  $2(x + 7) = x + 16$

A. 1

B. 2

C. 3

D. 4

Answer: B

---

**Question 79**

Solve:  $4(x + 5) = 2x + 30$

A. 8

B. 9

C. 10

D. 11

Answer: C

---

**Question 80**

Solve for  $x$ :  $3(x - 4) = x + 10$

A. 10

B. 11

C. 12

D. 13

Answer: B

---

**Question 81**

Solve:  $2(x + 6) = 3x + 4$

A. 6

B. 7

C. 8

D. 9

Answer: C

**Question 82**

Solve for  $x$ :  $5(x - 2) = 3x + 6$

- A. 6
- B. 7
- C. 8
- D. 9

Answer: C

---

**Question 83**

Solve:  $7x + 3 = 5x + 13$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: B

---

**Question 84**

Solve for  $x$ :  $4x + 12 = 2x + 22$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: B

---

**Question 85**

Solve:  $3(x + 8) = 2x + 20$

- A. 3
- B. 4
- C. 5
- D. 6

Answer: B

---

**Question 86**

Solve for  $x$ :  $6(x - 2) = 3x + 12$

- A. 6
- B. 7
- C. 8
- D. 9

Answer: C

---

**Question 87**

Solve:  $5(x + 3) = 2x + 21$

- A. 5
- B. 6
- C. 7
- D. 8

Answer: B

---

**Question 88**

Solve for  $x$ :  $4(x - 5) = 2x + 6$

- A. 8
- B. 9
- C. 10
- D. 11

Answer: A

---

**Question 89**

Solve:  $3(x + 9) = 2x + 24$

- A. 6
- B. 7
- C. 8
- D. 9

Answer: B

---

**Question 90**

Solve for  $x$ :  $7(x - 1) = 5x + 9$

- A. 7
- B. 8
- C. 9
- D. 10

Answer: **B**

Here are **30 SAT-style Systems of Equations** questions

**Question 91**

What is the value of  $x$  in the system?

$$\begin{aligned}x + y &= 10 \\x - y &= 2\end{aligned}$$

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **C**

---

**Question 92**

What is the value of  $y$ ?

$$\begin{aligned}x + y &= 9 \\x - y &= 3\end{aligned}$$

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

Answer: **B**

---

**Question 93**

Solve the system:

$$\begin{aligned}2x + y &= 7 \\x + y &= 5\end{aligned}$$

What is  $x$ ?

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

Answer: **B**

---

**Question 94**

Solve the system:

$$\begin{aligned}x + y &= 8 \\x - y &= 4\end{aligned}$$

What is  $y$ ?

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

Answer: **B**

---

**Question 95**

Solve:

$$\begin{aligned}2x + y &= 11 \\x + y &= 7\end{aligned}$$

What is  $x$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **B**

---

**Question 96**

Solve the system:

$$\begin{aligned}x + y &= 12 \\x - y &= 6\end{aligned}$$

What is  $x$ ?

- A. 8
- B. 9
- C. 10
- D. 11

Answer: **B**

---

**Question 97**

Solve:

$$\begin{aligned}2x + y &= 9 \\x + y &= 6\end{aligned}$$

What is  $y$ ?

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

Answer: **B**

---

**Question 98**

Solve:

$$\begin{aligned}x + y &= 11 \\x - y &= 5\end{aligned}$$

What is  $x$ ?

- A. 6
- B. 7
- C. 8
- D. 9

Answer: **C**

---

**Question 99**

Solve:

$$\begin{aligned}3x + y &= 10 \\x + y &= 6\end{aligned}$$

What is  $x$ ?

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

Answer: **B**

---

**Question 100**

Solve:

$$\begin{aligned}x + y &= 13 \\x - y &= 7\end{aligned}$$

What is  $y$ ?

- A. 2
- B. 3

C. 4

D. 5

Answer: **B**

---

**Question 101**

Solve:

$$2x + y = 12$$

$$x + y = 8$$

What is  $x$ ?

A. 3

B. 4

C. 5

D. 6

Answer: **B**

---

**Question 102**

Solve:

$$x + y = 14$$

$$x - y = 4$$

What is  $x$ ?

A. 8

B. 9

C. 10

D. 11

Answer: **B**

---

**Question 103**

Solve:

$$3x + y = 13$$

$$x + y = 9$$

What is  $x$ ?

A. 2

B. 3

C. 4

D. 5

Answer: **A**

**Question 104**

Solve:

$$x + y = 15$$

$$x - y = 3$$

What is  $y$ ?

- A. 5
- B. 6
- C. 7
- D. 8

Answer: **B**

---

**Question 105**

Solve:

$$2x + y = 10$$

$$x + y = 7$$

What is  $y$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **B**

---

**Question 106**

Solve:

$$x + y = 16$$

$$x - y = 8$$

What is  $x$ ?

- A. 10
- B. 11
- C. 12
- D. 13

Answer: **C**

---

**Question 107**

Solve:

$$\begin{aligned}3x + y &= 11 \\x + y &= 7\end{aligned}$$

What is  $x$ ?

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

Answer: **B**

---

**Question 108**

Solve:

$$\begin{aligned}x + y &= 18 \\x - y &= 6\end{aligned}$$

What is  $y$ ?

- A. 5
- B. 6
- C. 7
- D. 8

Answer: **B**

---

**Question 109**

Solve:

$$\begin{aligned}2x + y &= 13 \\x + y &= 9\end{aligned}$$

What is  $x$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **B**

---

**Question 110**

Solve:

$$\begin{aligned}x + y &= 17 \\x - y &= 9\end{aligned}$$

What is  $x$ ?

- A. 11
- B. 12
- C. 13
- D. 14

Answer: C

---

**Question 111**

Solve:

$$\begin{aligned}3x + y &= 14 \\ x + y &= 10\end{aligned}$$

What is  $x$ ?

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

Answer: B

---

**Question 112**

Solve:

$$\begin{aligned}x + y &= 19 \\ x - y &= 7\end{aligned}$$

What is  $y$ ?

- A. 5
- B. 6
- C. 7
- D. 8

Answer: B

---

**Question 113**

Solve:

$$\begin{aligned}2x + y &= 15 \\ x + y &= 11\end{aligned}$$

What is  $x$ ?

- A. 3
- B. 4

C. 5

D. 6

Answer: **B**

---

**Question 114**

Solve:

$$x + y = 20$$

$$x - y = 10$$

What is  $x$ ?

A. 13

B. 14

C. 15

D. 16

Answer: **C**

---

**Question 115**

Solve:

$$3x + y = 17$$

$$x + y = 11$$

What is  $x$ ?

A. 2

B. 3

C. 4

D. 5

Answer: **B**

---

**Question 116**

Solve:

$$x + y = 21$$

$$x - y = 9$$

What is  $y$ ?

A. 5

B. 6

C. 7

D. 8

Answer: **B**

**Question 117**

Solve:

$$2x + y = 16$$

$$x + y = 12$$

What is  $x$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **B**

---

**Question 118**

Solve:

$$x + y = 22$$

$$x - y = 8$$

What is  $x$ ?

- A. 14
- B. 15
- C. 16
- D. 17

Answer: **B**

---

**Question 119**

Solve:

$$3x + y = 20$$

$$x + y = 14$$

What is  $x$ ?

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

Answer: **B**

---

**Question 120**

Solve:

$$\begin{aligned}x + y &= 24 \\x - y &= 12\end{aligned}$$

What is  $y$ ?

- A. 5
- B. 6
- C. 7
- D. 8

Answer: **B**

Here are **20 SAT-style Linear Inequalities questions**

**Question 121**

Which value of  $x$  satisfies the inequality  $3x + 5 > 14$ ?

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

Answer: **C**

---

**Question 122**

Which value of  $x$  satisfies  $4x - 7 \geq 9$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **B**

---

**Question 123**

Which value of  $x$  satisfies  $2x + 3 < 11$ ?

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

Answer: **B**

---

**Question 124**

Which value of  $x$  satisfies  $5x - 4 \leq 16$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **B**

---

**Question 125**

Which value of  $x$  satisfies  $6x + 2 > 20$ ?

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

Answer: **C**

---

**Question 126**

Which value of  $x$  satisfies  $3x - 8 \geq 7$ ?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 127**

Which value of  $x$  satisfies  $2x + 1 < 9$ ?

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

Answer: **B**

---

**Question 128**

Which value of  $x$  satisfies  $4x - 5 \leq 11$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **B**

---

**Question 129**

Which value of  $x$  satisfies  $7x + 3 > 24$ ?

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

Answer: **C**

---

**Question 130**

Which value of  $x$  satisfies  $5x - 6 \geq 14$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **B**

---

**Question 131**

Which value of  $x$  satisfies  $3x + 2 < 11$ ?

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

Answer: **A**

---

**Question 132**

Which value of  $x$  satisfies  $6x - 4 \leq 20$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **B**

---

**Question 133**

Which value of  $x$  satisfies  $2x + 7 > 15$ ?

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

Answer: **D**

---

**Question 134**

Which value of  $x$  satisfies  $4x - 6 \geq 10$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **B**

---

**Question 135**

Which value of  $x$  satisfies  $3x + 9 < 18$ ?

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

Answer: **A**

---

**Question 136**

Which value of  $x$  satisfies  $5x - 5 \leq 20$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: **C**

---

**Question 137**

Which value of  $x$  satisfies  $2x + 6 > 12$ ?

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

Answer: C

---

**Question 138**

Which value of  $x$  satisfies  $7x - 3 \geq 18$ ?

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

Answer: B

---

**Question 139**

Which value of  $x$  satisfies  $3x + 4 < 16$ ?

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

Answer: B

---

**Question 140**

Which value of  $x$  satisfies  $4x - 2 \leq 14$ ?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: B

Here are **30 SAT-style Linear Functions & Slope questions**

**Question 141**

In the equation  $y = 3x + 5$ , what is the slope?

- A. 3
- B. 5
- C. 8
- D. -3

Answer: **A**

---

**Question 142**

In the equation  $y = -2x + 7$ , what is the slope?

- A. 7
- B. -2
- C. 2
- D. -7

Answer: **B**

---

**Question 143**

What is the slope of the line represented by  $y = 4x - 1$ ?

- A. -1
- B. 1
- C. 4
- D. -4

Answer: **C**

---

**Question 144**

What is the y-intercept of  $y = 5x + 2$ ?

- A. 5
- B. 2
- C. -2
- D. 7

Answer: **B**

---

**Question 145**

What is the slope of the line passing through points (1, 3) and (3, 7)?

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

Answer: **B**

---

**Question 146**

What is the slope of the line passing through (2, 4) and (6, 12)?

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

Answer: **B**

---

**Question 147**

In the equation  $y = -3x + 6$ , what is the y-intercept?

- A. -3
- B. 3
- C. 6
- D. -6

Answer: **C**

---

**Question 148**

What is the slope of the line through (0, 2) and (4, 6)?

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

Answer: **A**

---

**Question 149**

In the equation  $y = 2x - 9$ , what is the slope?

- A. 2
- B. -2
- C. 9
- D. -9

Answer: **A**

---

**Question 150**

What is the slope of the line passing through (3, 5) and (7, 9)?

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

Answer: A

---

**Question 151**

What is the y-intercept of  $y = 6x - 4$ ?

- A. 6
- B. -4
- C. 4
- D. -6

Answer: B

---

**Question 152**

What is the slope of the line through (2, 1) and (5, 7)?

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

Answer: B

---

**Question 153**

In  $y = -4x + 8$ , what is the slope?

- A. -4
- B. 4
- C. 8
- D. -8

Answer: A

---

**Question 154**

What is the slope of the line through (1, 2) and (4, 11)?

- A. 2
- B. 3

C. 4

D. 5

Answer: B

---

**Question 155**

What is the y-intercept of  $y = 7x + 3$ ?

A. 7

B. 3

C. -3

D. 10

Answer: B

---

**Question 156**

What is the slope of the line through (2, 5) and (6, 13)?

A. 1

B. 2

C. 3

D. 4

Answer: B

---

**Question 157**

In  $y = 3x - 8$ , what is the y-intercept?

A. -8

B. 8

C. 3

D. -3

Answer: A

---

**Question 158**

What is the slope of the line through (0, 1) and (5, 11)?

A. 1

B. 2

C. 3

D. 4

Answer: B

**Question 159**

In  $y = -5x + 4$ , what is the slope?

- A. -5
- B. 5
- C. 4
- D. -4

Answer: **A**

---

**Question 160**

What is the slope of the line through (3, 2) and (7, 6)?

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

Answer: **A**

---

**Question 161**

What is the y-intercept of  $y = 4x + 9$ ?

- A. 4
- B. 9
- C. -4
- D. -9

Answer: **B**

---

**Question 162**

What is the slope of the line through (1, 4) and (5, 8)?

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

Answer: **A**

---

**Question 163**

In  $y = -2x + 10$ , what is the y-intercept?

- A. -2
- B. 2
- C. 10
- D. -10

Answer: C

---

**Question 164**

What is the slope of the line through (2, 3) and (6, 7)?

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

Answer: A

---

**Question 165**

What is the slope in  $y = 8x - 1$ ?

- A. 8
- B. -8
- C. 1
- D. -1

Answer: A

---

**Question 166**

What is the slope of the line through (4, 6) and (8, 14)?

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

Answer: B

---

**Question 167**

In  $y = -6x + 5$ , what is the y-intercept?

- A. -6
- B. 6
- C. 5
- D. -5

Answer: C

---

**Question 168**

What is the slope of the line through (2, 2) and (6, 10)?

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

Answer: B

---

**Question 169**

What is the slope in  $y = 9x + 4$ ?

- A. 4
- B. 9
- C. -9
- D. -4

Answer: B

---

**Question 170**

What is the slope of the line through (1, 3) and (5, 11)?

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

Answer: B

---

Here are **30 SAT-style Word Problems**

**Question 171**

A number increased by 7 equals 19. What is the number?

- A. 10
- B. 11
- C. 12
- D. 13

Answer: C

**Question 172**

A number decreased by 5 equals 13. What is the number?

- A. 16
- B. 17
- C. 18
- D. 19

Answer: C

---

**Question 173**

Three times a number plus 4 equals 19. What is the number?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: C

---

**Question 174**

Five times a number minus 2 equals 23. What is the number?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: B

---

**Question 175**

A number multiplied by 4 plus 6 equals 30. What is the number?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

---

**Question 176**

Twice a number plus 9 equals 21. What is the number?

- A. 5
- B. 6
- C. 7
- D. 8

Answer: **B**

---

**Question 177**

Seven more than three times a number equals 22. What is the number?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: **B**

---

**Question 178**

A number divided by 3 plus 5 equals 11. What is the number?

- A. 15
- B. 16
- C. 17
- D. 18

Answer: **D**

---

**Question 179**

Four times a number minus 8 equals 20. What is the number?

- A. 6
- B. 7
- C. 8
- D. 9

Answer: **B**

---

**Question 180**

Two numbers have a sum of 14. If one number is 6, what is the other?

- A. 6
- B. 7
- C. 8
- D. 9

Answer: C

---

**Question 181**

A taxi charges \$3 plus \$2 per mile. What is the cost of a 5-mile ride?

- A. 11
- B. 12
- C. 13
- D. 14

Answer: C

---

**Question 182**

A gym charges a \$10 membership fee plus \$5 per visit. What is the total cost for 4 visits?

- A. 25
- B. 30
- C. 35
- D. 40

Answer: B

---

**Question 183**

A student reads 12 pages per day. How many pages will the student read in 5 days?

- A. 50
- B. 55
- C. 60
- D. 65

Answer: C

---

**Question 184**

A store sells notebooks for \$4 each. How much do 7 notebooks cost?

- A. 24
- B. 26
- C. 28
- D. 30

Answer: C

---

**Question 185**

A car travels 60 miles per hour. How far does it travel in 3 hours?

- A. 160
- B. 170
- C. 180
- D. 190

Answer: C

---

**Question 186**

A rectangle has a length of 10 units and width of 4 units. What is the perimeter?

- A. 24
- B. 26
- C. 28
- D. 30

Answer: C

---

**Question 187**

A number plus 12 equals 25. What is the number?

- A. 11
- B. 12
- C. 13
- D. 14

Answer: C

---

**Question 188**

Five times a number equals 40. What is the number?

- A. 6
- B. 7
- C. 8
- D. 9

Answer: C

---

**Question 189**

A number minus 8 equals 14. What is the number?

- A. 20
- B. 21

C. 22

D. 23

Answer: C

---

**Question 190**

Three times a number equals 27. What is the number?

A. 7

B. 8

C. 9

D. 10

Answer: C

---

**Question 191**

A number divided by 4 equals 6. What is the number?

A. 20

B. 22

C. 24

D. 26

Answer: C

---

**Question 192**

A movie ticket costs \$8. How much do 6 tickets cost?

A. 44

B. 46

C. 48

D. 50

Answer: C

---

**Question 193**

A worker earns \$15 per hour. How much will the worker earn in 4 hours?

A. 50

B. 55

C. 60

D. 65

Answer: C

**Question 194**

A number plus 15 equals 32. What is the number?

- A. 15
- B. 16
- C. 17
- D. 18

Answer: C

---

**Question 195**

Four times a number equals 36. What is the number?

- A. 7
- B. 8
- C. 9
- D. 10

Answer: C

---

**Question 196**

A number minus 6 equals 18. What is the number?

- A. 22
- B. 23
- C. 24
- D. 25

Answer: C

---

**Question 197**

A number divided by 5 equals 7. What is the number?

- A. 30
- B. 32
- C. 35
- D. 40

Answer: C

---

**Question 198**

Two numbers have a sum of 20. If one number is 9, what is the other?

- A. 9
- B. 10
- C. 11
- D. 12

Answer: C

---

**Question 199**

A book costs \$12. How much do 3 books cost?

- A. 30
- B. 34
- C. 36
- D. 40

Answer: C

---

**Question 200**

A number increased by 14 equals 30. What is the number?

- A. 14
- B. 15
- C. 16
- D. 17

Answer: C

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