

Simplification questions with answers

15 exam-shaped questions with full worked solutions.
For IBPS · SBI · SSC · Railway quant.

Free, share it forward. Every question in this set was generated and verified by the ComputePrep engine — the same one behind the free daily timed drill at **computeprep.com**.

The questions

Work them on paper first. Full solutions start after question 15 — the numbering matches.

QUESTION 1

Simplify — order of operations wins.

$$24 + 4 \times 4 = ?$$

- A. 112
 - B. 30
 - C. 39
 - D. 50
 - E. 40
-

QUESTION 2

Simplify — order of operations wins.

$$29 + 6 \times 8 = ?$$

- A. 67
 - B. 78
 - C. 87
 - D. 280
 - E. 77
-

QUESTION 3

Simplify — order of operations wins.

$$47 + 9 \times 4 - 32 \div 8 = ?$$

- A. 79
 - B. 71
 - C. 69
 - D. 78
 - E. 24
-

QUESTION 4

Simplify — order of operations wins.

$$84 + 4 \times 4 - 35 \div 5 = ?$$

- A. 83
 - B. 93
 - C. 81
 - D. 63
 - E. 92
-

QUESTION 5**Simplify — order of operations wins.**

$$44 + 4 \times 4 - 36 \div 9 = ?$$

- A. 56
 - B. 55
 - C. 43
 - D. 17
 - E. 46
-

QUESTION 6**Simplify — order of operations wins.**

$$(40 + 24) \times 5 - 9 \times 7 = ?$$

- A. 257
 - B. 2177
 - C. 258
 - D. 267
 - E. 259
-

QUESTION 7**Simplify — order of operations wins.**

$$24 + 3 \times 6 = ?$$

- A. 43
 - B. 53
 - C. 42
 - D. 52
 - E. 162
-

QUESTION 8**Simplify — order of operations wins.**

$$39 + 8 \times 5 = ?$$

- A. 69
 - B. 235
 - C. 78
 - D. 73
 - E. 79
-

QUESTION 9**Simplify — order of operations wins.**

$$27 + 4 \times 6 - 36 \div 6 = ?$$

- A. 46
 - B. 55
 - C. 25
 - D. 45
 - E. 35
-

QUESTION 10**Simplify — order of operations wins.**

$$80 + 3 \times 7 - 48 \div 4 = ?$$

- A. 75
 - B. 133
 - C. 79
 - D. 89
 - E. 88
-

QUESTION 11**Simplify — order of operations wins.**

$$84 + 9 \times 6 - 36 \div 9 = ?$$

- A. 124
 - B. 135
 - C. 58
 - D. 144
 - E. 134
-

QUESTION 12**Simplify — order of operations wins.**

$$(23 + 21) \times 7 - 9 \times 8 = ?$$

- A. 2392
 - B. 237
 - C. 226
 - D. 236
 - E. 246
-

QUESTION 13**Simplify — order of operations wins.**

$$60 + 7 \times 6 = ?$$

- A. 402
 - B. 92
 - C. 101
 - D. 102
 - E. 112
-

QUESTION 14**Simplify — order of operations wins.**

$$31 + 7 \times 9 = ?$$

- A. 94
 - B. 93
 - C. 104
 - D. 84
 - E. 342
-

QUESTION 15

Simplify — order of operations wins.

$$22 + 8 \times 4 - 24 \div 4 = ?$$

- A. 39
 - B. 38
 - C. 24
 - D. 48
 - E. 47
-

Answers and worked solutions

Each walkthrough is the engine's own elimination order, step for step — not a reconstruction written after the fact.

SOLUTION 1

Answer: **40**

1. Multiply first (BODMAS): $4 \times 4 = 16$.
 2. Then add: $24 + 16 = 40$.
-

SOLUTION 2

Answer: **77**

1. Multiply first (BODMAS): $6 \times 8 = 48$.
 2. Then add: $29 + 48 = 77$.
-

SOLUTION 3

Answer: **79**

1. $\times$ and $\div$ first: $9 \times 4 = 36$; $32 \div 8 = 4$.
 2. Then left to right: $47 + 36 - 4 = 79$.
-

SOLUTION 4

Answer: **93**

1. $\times$ and $\div$ first: $4 \times 4 = 16$; $35 \div 5 = 7$.
 2. Then left to right: $84 + 16 - 7 = 93$.
-

SOLUTION 5

Answer: **56**

1. $\times$ and $\div$ first: $4 \times 4 = 16$; $36 \div 9 = 4$.
 2. Then left to right: $44 + 16 - 4 = 56$.
-

SOLUTION 6

Answer: **257**

1. Brackets first: $40 + 24 = 64$; then $\times 5 = 320$.
 2. Second product: $9 \times 7 = 63$.
 3. Subtract: $320 - 63 = 257$.
-

SOLUTION 7

Answer: **42**

1. Multiply first (BODMAS): $3 \times 6 = 18$.
 2. Then add: $24 + 18 = 42$.
-

SOLUTION 8

Answer: **79**

1. Multiply first (BODMAS): $8 \times 5 = 40$.
 2. Then add: $39 + 40 = 79$.
-

SOLUTION 9

Answer: **45**

1. $\times$ and $\div$ first: $4 \times 6 = 24$; $36 \div 6 = 6$.
 2. Then left to right: $27 + 24 - 6 = 45$.
-

SOLUTION 10

Answer: **89**

1. $\times$ and $\div$ first: $3 \times 7 = 21$; $48 \div 4 = 12$.
 2. Then left to right: $80 + 21 - 12 = 89$.
-

SOLUTION 11

Answer: **134**

1. $\times$ and $\div$ first: $9 \times 6 = 54$; $36 \div 9 = 4$.
 2. Then left to right: $84 + 54 - 4 = 134$.
-

SOLUTION 12

Answer: **236**

1. Brackets first: $23 + 21 = 44$; then $\times 7 = 308$.
 2. Second product: $9 \times 8 = 72$.
 3. Subtract: $308 - 72 = 236$.
-

SOLUTION 13

Answer: **102**

1. Multiply first (BODMAS): $7 \times 6 = 42$.
 2. Then add: $60 + 42 = 102$.
-

SOLUTION 14

Answer: **94**

1. Multiply first (BODMAS): $7 \times 9 = 63$.
 2. Then add: $31 + 63 = 94$.
-

SOLUTION 15

Answer: **48**

1. $\times$ and $\div$ first: $8 \times 4 = 32$; $24 \div 4 = 6$.
 2. Then left to right: $22 + 32 - 6 = 48$.
-

One round a day beats one set a month.

A worked set teaches the shape; a clock teaches the speed. ComputePrep serves a free timed round every day, with a streak, a leaderboard and the full walkthrough after every round.

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