ComputePrep

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 × 4 − 36 ÷ 9 = ?

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

QUESTION 6

Simplify — order of operations wins.

√? + 35% of 80 = 11 × 5

A. 719
B. 729
C. 676
D. 784
E. 27

QUESTION 7

Simplify — order of operations wins.

18 + 5 × 5 = ?

A. 53
B. 43
C. 115
D. 44
E. 33

QUESTION 8

Simplify — order of operations wins.

23 + 6 × 6 = ?

A. 174
B. 59
C. 58
D. 69
E. 49

QUESTION 9

Simplify — order of operations wins.

75 + 4 × 5 − 21 ÷ 3 = ?

A. 124
B. 87
C. 78
D. 88
E. 98

QUESTION 10

Simplify — order of operations wins.

82 + 6 × 7 − 80 ÷ 8 = ?

A. 104
B. 113
C. 67
D. 103
E. 114

QUESTION 11

Simplify — order of operations wins.

58 + 9 × 6 − 15 ÷ 3 = ?

A. 107
B. 108
C. 97
D. 117
E. 129

QUESTION 12

Simplify — order of operations wins.

(13 + 23) × 9 − 5 × 9 = ?

A. 289
B. 2871
C. 279
D. 269
E. 280

QUESTION 13

Simplify — order of operations wins.

30 + 5 × 8 = ?

A. 70
B. 80
C. 280
D. 74
E. 71

QUESTION 14

Simplify — order of operations wins.

52 + 6 × 8 = ?

A. 99
B. 90
C. 464
D. 100
E. 110

QUESTION 15

Simplify — order of operations wins.

$71 + 5 \times 5 - 32 \div 8 = ?$

A. 98

B. 93

C. 102

D. 92

E. 43

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 × 4 = 16.
2. Then add: 24 + 16 = 40.

SOLUTION 2

Answer: **77**

1. Multiply first (BODMAS): 6 × 8 = 48.
2. Then add: 29 + 48 = 77.

SOLUTION 3

Answer: **79**

1. × and ÷ first: 9 × 4 = 36; 32 ÷ 8 = 4.
2. Then left to right: 47 + 36 − 4 = 79.

SOLUTION 4

Answer: **93**

1. × and ÷ first: 4 × 4 = 16; 35 ÷ 5 = 7.
2. Then left to right: 84 + 16 − 7 = 93.

SOLUTION 5

Answer: **56**

1. × and ÷ first: 4 × 4 = 16; 36 ÷ 9 = 4.
2. Then left to right: 44 + 16 − 4 = 56.

SOLUTION 6

Answer: **729**

1. Right side: 11 × 5 = 55. Left: 35% of 80 = 28.
2. So √? = 55 − 28 = 27.
3. Square it: ? = 27 × 27 = 729.

SOLUTION 7

Answer: **43**

1. Multiply first (BODMAS): 5 × 5 = 25.
2. Then add: 18 + 25 = 43.

SOLUTION 8

Answer: **59**

1. Multiply first (BODMAS): 6 × 6 = 36.
2. Then add: 23 + 36 = 59.

SOLUTION 9

Answer: **88**

1. × and ÷ first: 4 × 5 = 20; 21 ÷ 3 = 7.
2. Then left to right: 75 + 20 − 7 = 88.

SOLUTION 10

Answer: **114**

1. × and ÷ first: 6 × 7 = 42; 80 ÷ 8 = 10.
2. Then left to right: 82 + 42 − 10 = 114.

SOLUTION 11

Answer: **107**

1. × and ÷ first: 9 × 6 = 54; 15 ÷ 3 = 5.
2. Then left to right: 58 + 54 − 5 = 107.

SOLUTION 12

Answer: **279**

1. Brackets first: 13 + 23 = 36; then × 9 = 324.
2. Second product: 5 × 9 = 45.
3. Subtract: 324 − 45 = 279.

SOLUTION 13

Answer: **70**

1. Multiply first (BODMAS): 5 × 8 = 40.
2. Then add: 30 + 40 = 70.

SOLUTION 14

Answer: **100**

1. Multiply first (BODMAS): 6 × 8 = 48.
2. Then add: 52 + 48 = 100.

SOLUTION 15

Answer: **92**

1. × and ÷ first: 5 × 5 = 25; 32 ÷ 8 = 4.
2. Then left to right: 71 + 25 − 4 = 92.

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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