# SIMPLIFICATION PART - 1

Simplify: $(3\frac{1}{2} + 4.5) - 1.9$

SSC CGL 12/09/2025 (Shift 1)

(a) 5.2 (b) 4.3 (c) 6.1 (d) 3.2

Evaluate:

$$27\frac{1}{4} - [\frac{13}{6} \div \{\frac{1}{3} - (\frac{1}{2} \times (\frac{3}{4} - \frac{1}{4}))\}]$$

SSC CGL 12/09/2025 (Shift 1)

(a) $-2\frac{1}{4}$ (b) $2\frac{1}{4}$ (c) $1\frac{1}{4}$ (d) $1\frac{3}{4}$

$32^3 + 15^3 - 35^3 + 250$ is equal to:

SSC CGL 12/09/2025 (Shift 1)

(a) - 6582 (b) - 6482 (c) - 6682 (d) - 5482

Evaluate:

$$6 - [\frac{3}{4} \div \{\frac{1}{5} + (\frac{1}{2} \times (1 - \frac{1}{3}))\}]$$

SSC CGL 13/09/2025 (Shift 1)

(a) $\frac{14}{3}$ (b) $\frac{157}{32}$ (c) $\frac{147}{32}$ (d) $\frac{17}{3}$

Simplify: $\left(\frac{8}{5} \div \frac{14}{5}\right) \times \left(\frac{10}{7} \div \frac{4}{3}\right)$

SSC CGL 15/09/2025 (Shift 1)

(a) $\frac{120}{196}$ (b) $\frac{180}{196}$ (c) $\frac{196}{180}$ (d) $\frac{150}{360}$

Simplify:

$$[(\frac{4}{3}) + (\frac{4}{5} \div \frac{2}{7})] \div [(\frac{3}{2}) - (\frac{7}{12} \times \frac{3}{4})]$$

SSC CGL 16/09/2025 (Shift 1)

(a) $\frac{992}{255}$ (b) $\frac{892}{255}$ (c) $\frac{982}{255}$ (d) $\frac{929}{255}$

Simplify: $\left(\frac{5}{6} + \frac{3}{4}\right) \div \left(\frac{7}{8} - \frac{2}{3}\right)$

SSC CGL 16/09/2025 (Shift 2)

(a) $\frac{38}{5}$ (b) $\frac{48}{5}$ (c) $\frac{58}{5}$ (d) $\frac{68}{5}$

Simplify: $\sqrt{(14 + 6\sqrt{5})}$

SSC CGL 17/09/2025 (Shift 1)

(a) $2 + \sqrt{5}$

(b) $3 + \sqrt{5}$

(c) $\sqrt{3} + 2\sqrt{5}$

(d) $9 + \sqrt{5}$

Solve: $(\sqrt{5776} - \sqrt{4761}) \times (\frac{1}{3})$

SSC CGL 18/09/2025 (Shift 3)

(a) 3.5 (b) 4.3 (c) 3.3 (d) 2.3

What is the value of $(0.3^3 + 0.03^3) \div (0.6^3 + 0.06^3)$ ?

SSC CGL 19/09/2025 (Shift 3)

(a) 0.065 (b) 0.005 (c) 0.225 (d) 0.125

The value of

$$\sqrt{13 - 2\sqrt{42}} - \frac{1}{\sqrt{13-2\sqrt{42}}}$$ is:

SSC CGL 21/09/2025 (Shift 2)

(a) $1+\sqrt{5}$ (b) $2\sqrt{6}$ (c) $-2\sqrt{6}$ (d) $1-\sqrt{5}$

What is the simplified value of:

$$\frac{0.02505}{23^2 + 6^2 - 64}$$

SSC CGL 21/09/2025 (Shift 2)

(a) $5 \times 10^{-5}$

(b) $3 \times 10^{-5}$

(c) $2.4 \times 10^{-4}$

(d) $3 \times 10^{-4}$

Evaluate the expression:

$$\left(\frac{1}{9} \div \frac{1}{3}\right) \div \left(\frac{1}{15} + 1 - \frac{9}{10}\right)$$

SSC CGL 14/09/2025 (Shift 3)

(a) 5 (b) 6 (c) 3 (d) 2

# Thank You