

How to use this sheet. Follow BODMAS strictly: Brackets, Orders (powers/roots), Division/Multiplication left to right, then Addition/Subtraction left to right.

Quick reference — BODMAS order matters · Convert percentages to fractions where possible (12.5%=1/8, 25%=1/4) · Learn squares to 30, cubes to 15, and common square/cube roots by heart

Section A

1. Simplify: $12 + 8 \div 4 \times 2 - 3$

(1) 11 (2) 13 (3) 15 (4) 9

2. Simplify: $(15 + 5) \times 2 - 10 \div 2$

(1) 30 (2) 25 (3) 35 (4) 40

3. Simplify: $36 \div (6 - 2) \times 2$

(1) 18 (2) 9 (3) 4.5 (4) 36

4. Simplify: $2^3 + 4^2 - 5$

(1) 15 (2) 21 (3) 17 (4) 19

5. Simplify: $\sqrt{144} + \sqrt{64}$

(1) 16 (2) 18 (3) 20 (4) 22

6. What is 25% of 400?

(1) 75 (2) 100 (3) 125 (4) 150

Section B

7. Simplify: $3/4 + 2/3$

(1) 17/12 (2) 5/7 (3) 6/7 (4) 11/12

8. What is 12.5% of 640?

(1) 64 (2) 72 (3) 80 (4) 96

9. Simplify: $\sqrt[3]{27} + \sqrt[3]{64}$ (cube roots)

(1) 5 (2) 6 (3) 9 (4) 7

10. Find the approximate value of $\sqrt{50}$.

(1) 6.5 (2) 7.1 (3) 7.8 (4) 8.2

11. Find the value of: 15% of 250 + 20% of 150

(1) 55 (2) 60 (3) 67.5 (4) 72

12. Simplify: $(2/5) \times (5/8) \times 40$

(1) 8 (2) 10 (3) 12 (4) 16

13. Find the approximate value of: $999.99 + 1.01$

(1) 1001 (2) 1000 (3) 1002 (4) 999

Section C

14. Find the approximate value of 48% of 250.

(1) 110 (2) 120 (3) 130 (4) 100

15. What is the value of 11^3 (11 cubed)?

(1) 1221 (2) 1311 (3) 1331 (4) 1431

16. Simplify: $\sqrt{0.0009}$

(1) 0.3 (2) 0.003 (3) 0.09 (4) 0.03

17. Simplify: $(2.5)^2$

(1) 6.25 (2) 5 (3) 7.5 (4) 12.5

18. Simplify: $7 \div 0.7$

(1) 1 (2) 10 (3) 0.1 (4) 100

19. Simplify: $(\frac{1}{3} + \frac{1}{6}) \times 18$

(1) 6 (2) 12 (3) 9 (4) 15

20. Find the value of: 45% of 80 – 20% of 50

(1) 20 (2) 26 (3) 30 (4) 32

Answer key: 1. (2) 2. (3) 3. (1) 4. (4) 5. (3) 6. (2) 7. (1) 8. (3) 9. (4) 10. (2) 11. (3) 12. (2) 13. (1) 14. (2) 15. (3) 16. (4) 17. (1) 18. (2) 19. (3) 20. (2)

Stuck on any of these? Bring them to a live class.

Live online batches and 1-on-1 mentoring for AAI ATC Junior Executive — every reasoning, aptitude, maths, physics, English and GK topic taught straight from the real question papers. Fees are kept deliberately low so any serious aspirant can join.

Enquiry form via aviatelearnings.com · Telegram: t.me/aaiatc2026kanishk · YouTube: youtube.com/@AAIATCEXamPrep