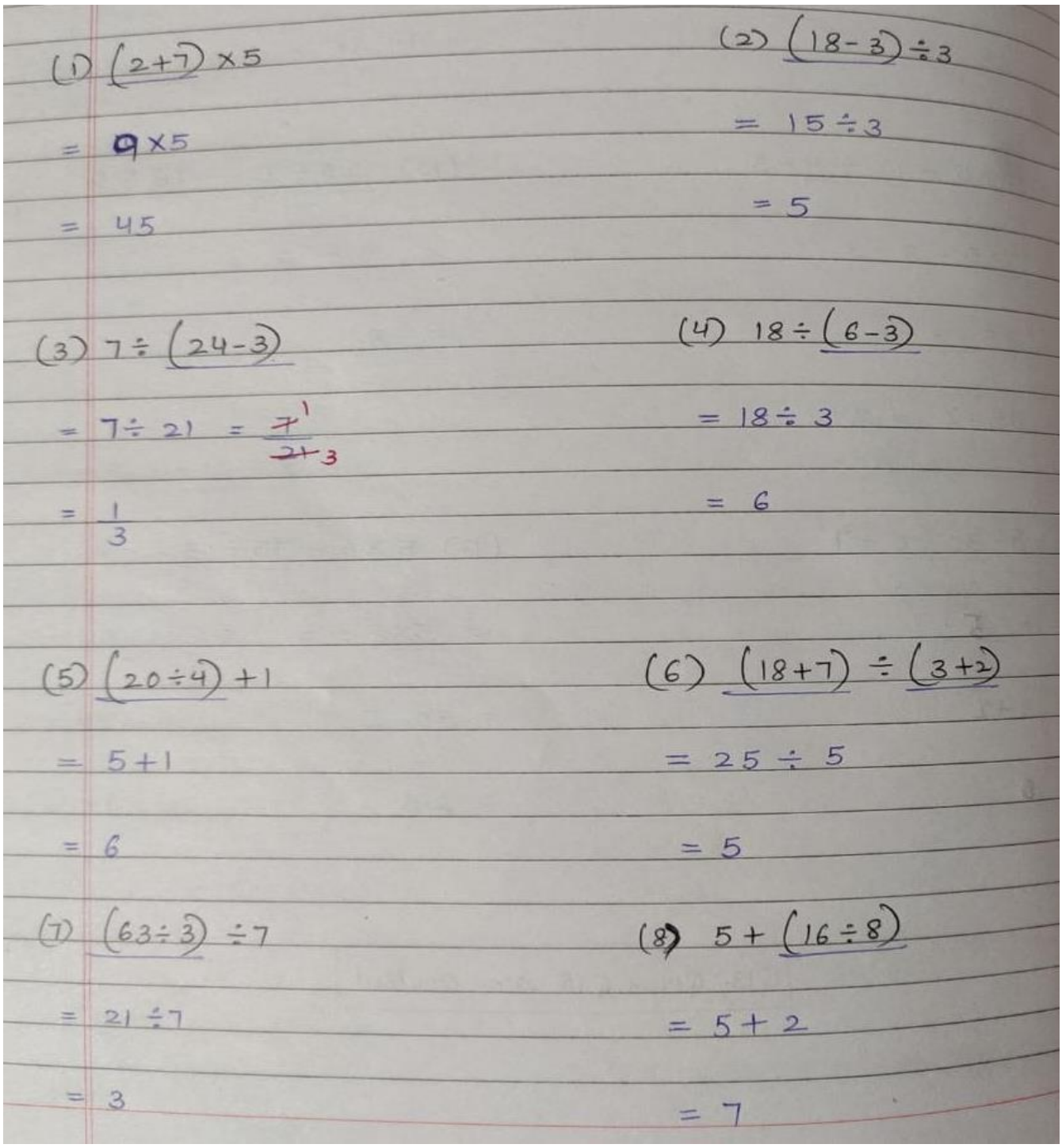
Self Practice 10B

Simplify:

1. $(2 + 7) \times 5$
2. $(18 - 3) \div 3$
3. $7 \div (24 - 3)$
4. $18 \div (6 - 3)$
5. $(20 \div 4) + 1$
6. $(18 + 7) \div (3 + 2)$
7. $(63 \div 3) \div 7$
8. $5 + (16 \div 8)$
9. $[(28 \div 7) + 3] \times 5$
10. $100 - [(50 \div 5) \times 7]$
11. $24 \div [2 + (42 \div 7)]$
12. $[(60 \div 3) \times 5] \div (27 - 2)$
13. $(7 + 1) \div 2 \times 3 + 5$
14. $[3 + (4 \times 5) \div 2 - 6] \div 7$
15. $\frac{1}{2} \div \frac{1}{6}$ of $\frac{1}{3} - \frac{1}{2}$
16. $\left(\frac{3}{4} \times \frac{8}{27}\right) \div \frac{8}{9} + \frac{1}{4}$
17. $450 \div (18 \times 5) - 10 \div 2$
18. $2 \div (3 + 5) \times 6$

Solutions:-



9) $[(28 \div 7) + 3] \times 5$

$= [4 + 3] \times 5$

$= 7 \times 5$

$= 35$

10) $100 - [(50 \div 5) \times 7]$

$= 100 - [10 \times 7]$

$= 100 - 70$

$= 30$

11) $24 \div [2 + (42 \div 7)]$

$= 24 \div [2 + 6]$

$= 24 \div 8$

$= 3$

12) $[(60 \div 3) \times 5] \div (27 - 2)$

$= [20 \times 5] \div 25$

$= 100 \div 25$

$= 4$

13) $(7 + 1) \div 2 \times 3 + 5$

$= 8 \div 2 \times 3 + 5$

$= 4 \times 3 + 5$

$= 12 + 5$

$= 17$

14) $[3 + (4 \times 5) \div 2 - 6] \div 7$

$= [3 + 20 \div 2 - 6] \div 7$

$= [3 + 10 - 6] \div 7$

$= [13 - 6] \div 7$

$= 7 \div 7 = 1$

17) $450 \div (18 \times 5) - 10 \div 2$

$= 450 \div 90 - 10 \div 2$

$= 5 - 5$

$= 0$

18) $2 \div (3 + 5) \times 6$

$= 2 \div 8 \times 6$

$= \frac{2^{1}}{8_{4}} \times 6^{3}$

$= \frac{3}{2} = 1\frac{1}{2}$

In this Q15 and Q16 are omitted.