Simplify:

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

Solutions:-
(1) $(2+7) \times 5$

$$
=9 \times 5
$$

$$
=45
$$

(3) $7 \div(24-3)$


$$
=\frac{1}{3}=6
$$

(5) $(20 \div 4)+1$
$=5+1$

$$
=6 \quad=5
$$

(7) $(63 \div 3) \div 7$

$$
=7
$$

$$
\begin{aligned}
& \text { (8) } 5+(16 \div 8) \\
& =5+2
\end{aligned}
$$

a.) $[(28 \div 7)+3] \times 5$
10.) $100-[(50 \div 5) \times 7]$
$=[4+3] \times 5$

$$
=100-\left[\begin{array}{ll}
10 & \times 7
\end{array}\right]
$$

$=7 \times 5$

$$
=100-70
$$

$$
=35
$$

$$
=30
$$

11.)

$$
\text { 1.) } \begin{aligned}
24 \div[2+(42 \div 7)] & \text { 12. }[(60 \div 3) \times 5] \div(27-2) \\
=24 \div[2+6] & =[20 \times 5] \div 25 \\
=24 \div 8 & =100 \div 25 \\
=3 & =4
\end{aligned}
$$

13.)

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

$$
=4 \times 3+5
$$

$$
=12+5
$$

$$
=17
$$

$$
\text { 14.) } \begin{aligned}
& {[3+(4 \times 5) \div 2-6] \div 7 } \\
= & {[3+20 \div 2-6] \div 7 } \\
= & {[3+10-6] \div 7 } \\
= & {[13-6] \div 7 } \\
= & 7 \div 7=1
\end{aligned}
$$

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

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

$$
\text { 18.) } \begin{aligned}
& 2 \div(3+5) \times 6 \\
= & 2 \div 8 \times 6 \\
= & \frac{21}{8 \times 1 / 2} \times 6^{3} \\
= & \frac{3}{2}=1 \frac{1}{2}
\end{aligned}
$$

In this Q15 and Q16 are omitted.

