

Unit-8: The Four Operations

1. **M/J 18/P11/Q1**
 (a) Evaluate $\frac{3.5 - 1.9}{0.8}$. [1] (b) Evaluate $9 + 6 \div 3 - 4$. [1]
2. **O/N 17/P11/Q15/a**
 (a) Simplify $8 - 3(2t + 1)$. [1]
3. **O/N 14/P11/Q3/b**
 (a) Work out $90 - 16 \div 2$. [1]
4. **M/J 14/P12/Q1/a**
 (a) Evaluate $12 + 8 \div (9 - 5)$. [1]
5. **O/N 13/P11/Q1/b**
 (a) Evaluate $5 + 3 \times 2 + 2(2 - 3)$. [1]
6. **M/J 12/P12/Q9**
 (a) Evaluate $\frac{2}{5} + \frac{3}{8}$. [1]
 (b) Evaluate $1\frac{2}{3} \times 2\frac{1}{4}$, giving your answer as a mixed number in its lowest terms. [2]
7. **M/J 12/P12/Q10/a**
 (a) Evaluate $6 \times 3 + 8 \div 2$. [1]
8. **M/J 12/P11/Q2/a**
 (a) Evaluate $8 - 5 \times 4 + 3$. [1]
9. **M/J 12/P11/Q11**
 Evaluate
 (a) $\frac{3}{5} - \frac{2}{7}$, [1] (b) $1\frac{2}{3} \div 1\frac{3}{4}$. [2]
10. **O/N 11/P11/Q1/a**
 (a) Evaluate $3 + 5(3 - 1.4)$. [1]
11. **M/J 11/P12/Q1**
 (a) Evaluate $12 + 6 \div 2 - 8$. [1] (b) Evaluate 2.6×0.2 . [1]
12. **M/J 11/P12/Q3**
 (a) Evaluate $\frac{2}{3} - \frac{3}{8}$. [1]
 (b) Evaluate $1\frac{3}{4} \times \frac{2}{9}$, giving your answer as a fraction in its lowest terms. [1]
13. **M/J 11/P11/Q1**
 Evaluate
 (a) $52.3 \times 10 - 3.76 \times 100$, [1] (b) $20 - 8 \div 2 + 1$. [1]
14. **M/J 11/P11/Q3**
 Evaluate
 (a) $\frac{2}{3} + \frac{3}{10}$, [1] (b) $1\frac{3}{5} \div 3$. [1]
15. **O/N 10/P11/Q12/a**
 (a) Remove the brackets and simplify $4(7x - 3) - 3(5x - 4)$. [1]
16. **O/N 09/P01/Q2/a**
 (a) Add brackets to the equation in the answer space to make it correct.
 $(a) 4 + 6 \times 7 - 5 = 16$ [1]

Answers Section

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|---------------------------------------|---|--|
| 1. M/J 18/P11/Q1 | | |
| (a) 2 | 1 | |
| (b) 7 | 1 | |
| 2. O/N 17/P11/Q15/a | | |
| (a) $5 - 6t$ | 1 | |
| 3. O/N 14/P11/Q3/b | | |
| (a) 82 | 1 | |
| 4. M/J 14/P12/Q1/a | | |
| (a) 14 | 1 | |
| 5. O/N 13/P11/Q1/b | | |
| (a) 9 cao | 1 | |
| 6. M/J 12/P12/Q9 | | |
| (a) $\frac{31}{40}$ oe | 1 | |
| (b) $3\frac{3}{4}$ cao | 2 | |
| 7. M/J 12/P12/Q10/a | | |
| (a) 22 | 1 | |
| 8. M/J 12/P11/Q2/a | | |
| (a) -9 | 1 | |
| 9. M/J 12/P11/Q11 | | |
| (a) $\frac{11}{35}$ oe isw | 1 | |
| (b) $\frac{20}{21}$ oe isw | 2 | |
| 10. O/N 11/P11/Q1/a | | |
| (a) 11(.0) cao | 1 | |
| 11. M/J 11/P12/Q1 | | |
| (a) 7 | 1 | |
| (b) 0.52 oe | 1 | |
| 12. M/J 11/P12/Q3 | | |
| (a) $\frac{7}{24}$ oe Final ans. | 1 | |
| (b) $\frac{7}{18}$ cao | 1 | |
| 13. M/J 11/P11/Q1 | | |
| (a) 147 oe | 1 | |
| (b) 17 | 1 | |
| 14. M/J 11/P11/Q3 | | |
| (a) $\frac{29}{30}$ | 1 | |
| (b) $\frac{8}{15}$ | 1 | |
| 15. O/N 10/P11/Q12/a | | |
| (a) $13x$ | 1 | |
| 16. O/N 09/P01/Q2/a | | |
| (a) A pair of brackets around $7 - 5$ | 1 | |