

CHAPTER 3. FRACTIONS (分数)

1. $20 \times \frac{4}{5} =$

2. $\frac{4}{13} \times 3\frac{1}{4} =$

3. $\frac{8}{9} \times \frac{3}{4} =$

4. $2\frac{3}{4} \times 1\frac{2}{3} =$

5. $3\frac{1}{2} \times 4\frac{4}{5} \times \frac{5}{14} =$

6. $1\frac{3}{4} \times 7\frac{5}{6} \times \frac{1}{3} =$

7. $2\frac{1}{7} \times 1\frac{3}{46} \times 1\frac{5}{18} \times \frac{5}{7} =$

8. $\frac{10}{11} \times 2\frac{1}{5} =$

9. $\frac{9}{28} \div \frac{6}{7} =$

10. $\frac{3}{7} \div 5 =$

11. $8\frac{2}{7} \div 3\frac{9}{10} =$

12. $\frac{7}{10} \div 4\frac{1}{5} =$

13. $4\frac{1}{2} \times 3\frac{2}{3} \div 9\frac{9}{10} =$

14. $5\frac{1}{4} \div 2\frac{4}{5} \div 1\frac{7}{9} =$

15. $\frac{1}{6} \div \frac{11}{180} \div \frac{1}{72} \div \frac{9}{22} =$

16. $6 \times 1\frac{2}{5} \div \frac{3}{10} =$

17. $\frac{1}{4} \div \frac{2}{3} - \frac{2}{12} =$

18. $(\frac{2}{5} - \frac{1}{6}) \div 2\frac{1}{3} =$

19. $2 \times (1 - \frac{3}{10}) \div \frac{3}{8} =$

20. $(\frac{1}{2} + \frac{1}{3}) \div (\frac{2}{3} \times \frac{1}{8}) =$

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$$21. 1 \frac{3}{4} \times \left(\frac{4}{9} + \frac{2}{3} \right) \times \left(1 \frac{2}{5} - \frac{1}{2} \right) =$$

$$22. \left[2 \frac{1}{5} \times 4 \frac{2}{7} - \left(2 \frac{1}{3} + 3 \frac{1}{2} \right) \right] \div 2 \frac{17}{21} =$$

$$23. 4 \frac{3}{5} - \left[\frac{9}{10} + \left(3 \frac{1}{2} + \frac{3}{4} \right) \times \frac{4}{5} \right] =$$

$$24. 1 \div \left(\frac{1}{2} + \frac{1}{3} \right) =$$

$$25. \frac{3 \frac{1}{2}}{4 \frac{1}{3}} =$$

$$26. \frac{\frac{1}{4} + \frac{1}{3}}{1 \frac{4}{5} - 1 \frac{1}{3}} =$$

$$27. \frac{1 \frac{1}{2}}{1 + \frac{1}{1 + \frac{1}{4}}} =$$

$$28. \frac{4 \frac{1}{5}}{1 \frac{1}{3} - \frac{2}{5}} - 4 \frac{1}{5} =$$

29. The police conduct regular traffic operations on North-South Highway. On Friday night, the police spent $\frac{3}{4}$ hour, $1 \frac{1}{2}$ hours and $2 \frac{1}{4}$ hours checking the traffic in three different locations. Find the total time the police spent on their operations.

30. Adam spent $\frac{7}{24}$ of his pocket money on Monday, $\frac{1}{4}$ on Tuesday and $\frac{1}{3}$ on Wednesday. What fraction of his pocket money had he left on Thursday?

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31. A farmer grew 324 tomato plants but 18 of them died. What fraction of the original number of plants survived?
32. How much is $\frac{5}{8}$ of RM16?
33. A factory has 150 workers. $\frac{11}{15}$ of them are male. How many female workers are there in the factory?
34. In a library, there are 775 Chinese books. The numbers of English books are $\frac{4}{25}$ times more than the Chinese books. The numbers of Malay books are 236 less than the English books.
- (a) Find the number of English books and Malay books.
 - (b) If the library buys an additional 2101 English books, 1225 Chinese books and 837 Malay books, what fractions of the total number of English books?
35. Jayden's income is RM1200 per month. He spent $\frac{3}{5}$ on food, $\frac{4}{5}$ of the remainder on house rental and save the rest. How much does he save every month?
36. Man A and man B working together take 10 days to complete a project. If man A alone takes 15 days to complete the project. How many days does man B require?