

Decimals

1. Convert following decimals to fractions

- a. 0.72
- b. 0.025
- c. 2.8
- d. 3.008
- e. 1.57
- f. 0.2014

2. Convert following fractions to decimals

- a. $\frac{7}{20}$
- b. $\frac{1289}{500}$
- c. $\frac{32}{25}$
- d. $\frac{3}{20}$
- e. $\frac{5}{11}$
- f. $\frac{8}{3}$

3. Calculate following questions

- a. $33.573 + 0.501 - 40.8002$
- b. $17.2 \times 0.23 \div 0.2$
- c. $3.57 + 2.41 \times 3 - 10.25 \times 0.1$
- d. $0.505 \times 4 - 2.587 \times 0.5$
- e. $0.034 \div 0.4 + 13.52 \div 8$
- f. $1.46 - 12.42 \times 7 + 0.046 \div 0.02$
- g. $3.2 + [1.25 - (0.331 + 1.07)] \times 12$
- h. $(9.68 - 3.13) \div 0.25 + 0.08 - 10.63 \times 1.2$
- i. $25.5 \div 3 - 7.5 \times \frac{1}{15}$
- j. $0.01^2 - 0.2^3$
- k. $0.21 - \{0.3 - [0.2 \times (0.85 - 0.401) - 0.03] + 0.1\}$
- l. $\frac{0.37 \times 3 - 1.48}{0.37 \times 6}$

4. Round off

- a. 0.0503 (3 decimal figures)
- b. 12.77601 (2 decimal figures)
- c. 0.070421 (2 significant figures)
- d. 4303.88 (whole number)
- e. 120500020 (3 significant figures)

- f. 37005100 (3 significant figures)
- g. 0.00036277 (3 significant figures)
- h. 0.000051045 (3 significant figures)

5. Solve the problems

- a. Distance between A and B is about 297.5km, a car driving 85km/hr from A to B, if the same car driving from B to A take extra one hour, find the car average speed for both journey.
- b. Jay mistakenly seen 3.2 become 2.3 in doing multiplication, get answer 41.86, find the correct answer he supposes to get.
- c. Total price for 9 oranges is RM 7.20, if the price for 12 oranges is same as 8 apples, find the price for each apple.
- d. Kai have 1300 US dollar, he changes half of the amount to ringgit in October, currency rate 1: 3.21, he change the remaining amount to ringgit in November, but the currency rate increased to 1: 3.25. Find the total amount of ringgit Malaysia he has now.
- e. A paper box weigh 0.25kg, each bottle of fruit juice weigh 0.5kg
 - i. If each of the box can place a dozen of fruit juice, find the total weight for three boxes of fruit juices
 - ii. If a box of fruit juice weigh 4.75kg, how many bottles of fruit juice are there in the box?
- f. May walk to school daily, five days a week to school, two ways each. If the total distance May have walked in three weeks is 27.9km. Find the distance between house and school.
- g. A number multiplied by 2, subtracted by 9, divided by 7 equal to 6.53. Find the number.
- h. The price for chicken per kg is RM 2.30. A seller bought 15 chickens from chicken farm, he paid RM 82.80. Find the average weight of the chickens.
- i. Price for sweet A and sweet B per kg is RM 16.50 and RM 12.40 respectively. Ming bought 20kg of sweet A and 30 kg of sweet B and mix them together. Find the total cost for each kg of sweets.