Decimals & Percentage

1. Calculate $\frac{0.0675}{0.96}$ and answer in one significant figure.

2. Convert 0.0000000098765 to 4 significant figures

3. Following are the method in calculating electric bill. Every first 30 units RM 0.25 each, following 30 units RM 0.12 each and remaining units RM 0.13 each. If 230 units were used in a month, how much it cost?

4. A student mistakenly seen 3.8 become 8.3 in doing multiplication, get answer 8.881, find the correct answer he supposes to get.

5. Following are the method in calculating telephone bill. There is a minimum pay RM 126 for first 100 calls, the remaining calls RM 0.12 each, a person makes 320 calls in a month, how much it cost?

6. A speed of light is $3 \times 10^8 ms^{-1}$, if a star located away from Earth is $1.8 \times 10^8 m$, calculate how long the time taken for the light to reach the Earth.

7. Price for sweet A and sweet B per kg is as following

   a. A:RM1.20 per kg

   b. B:RM 1.60 per kg

   If sweet A and B are mixed together in 50kg, find the cost for mixed sweet each kg.

1. Convert following percentage to fraction.

    a. 0.5%

    b. $2\frac{1}{4}\%$

    c. 9.25%

    d. 250%

2. Convert following fraction to percentage

    a. $\frac{8}{5}$

    b. $\frac{11}{125}$

    c. $\frac{5}{6}$

    d. $3\frac{13}{20}$

3. Convert following percentage to decimals

    a. 0.6%

    b. 100%

    c. 354%

    d. $12\frac{3}{4}\%$

4. Convert following decimals to percentage

    a. 0.468

    b. 0.0075

    c. 1.301

    d. 10.6

5. There are 45 students in a class, if 18 students are wearing glasses, find the percentage of students who are not wearing glasses.

6. There are total 900 students involved in an examination, 65% of them passed, how many students passed the exam?

7. Kathy ordered a burger price RM15, including GST, how much she need to pay?

8. What is the percentage for 60 cents in RM 12?

9. What is the percentage for 450mm in 3m?

10. Eddy weigh 80kg, if his weight increase 20%, calculate his new weigh?

11. A deduction 12.5% for RM 6500 , what is the new price?

12. If 220m increased to 330m, how many percent it increased?

13. If 200 minutes reduce to 165 minutes, what is the percentage it reduced?

14. There are 2500 students in a school, 1625 are girls, calculate boys' percentage

15. Phillip's father last year salary RM3200 in a month, this year has a increment of 5%, what is his monthly salary now?

16. Sunny's mom gave RM 350 to Sunny as pocket money every month, he spent 70% from it and keep the rest, how much is his saving each month?

17. A restaurant sold 450 drinks a day, 64% are carbonated drinks and 14% are mixed drinks, compare the number of both drinks.

18. A dinner buffet priced RM 42, there is a service charge of 10%, calculated the total bill for 2 persons.

19. A used-car dealer would like to sell his car at 15% discount for retail price RM 750000. What is the new price?

20. If 4.5% for 3M is 270, find M

21. Following are the number of students in each class in a high school

Subjects	science	art	business
Number of students	108	396	216

Calculate percentage for science class students

22. Jess collected 15% from her salary for saving every month. She saved RM900 in 8 months, calculate her salary.

23. There are 400 students in a school. 80 students were absent in a H1N1 influenza outbreak. Calculate the percentage for presence students.

24. $33\frac{1}{3}\%$ of 90 is_____

25. A person took his 65% of a holiday for overtime job, 20% for vacation and he got three days left. Find number of days he took for holiday.

26. A person has a saving of RM840, 25% were taken out and used$\frac{3}{10}$ to buy a book. Find the price of the book.

27. A person salary after 15% increment is RM 5980. How much is her increment?

28. Following are the results in an examination

Percentage for English, Mathematics and Chinese owned 15%,10% and 20% from total marks. Other subjects are 220 marks in total. Find the student total marks in all subjects.