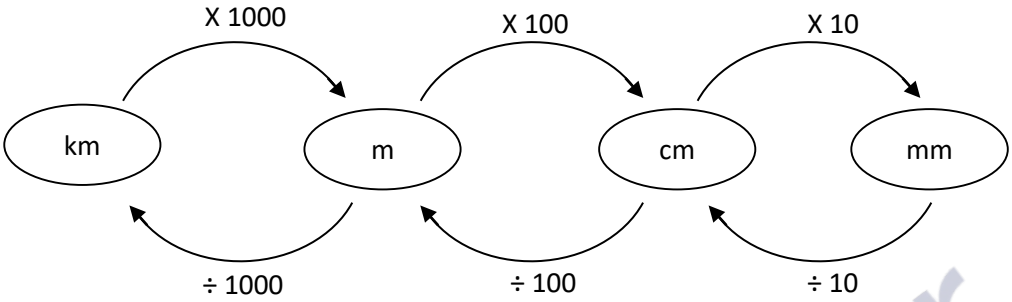
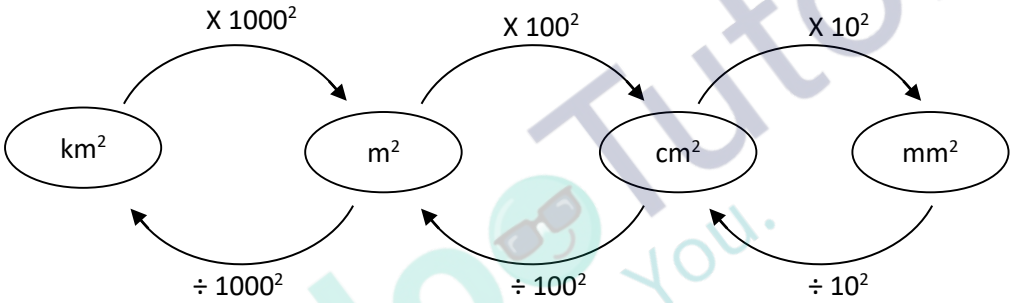


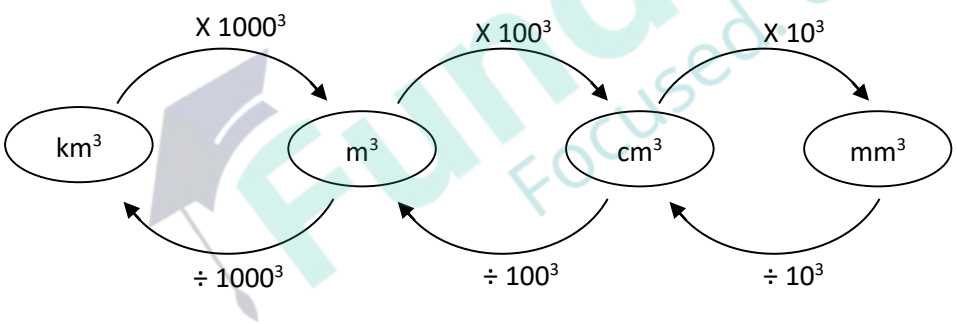
Length

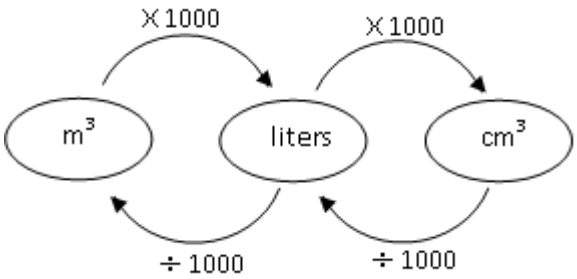


Area

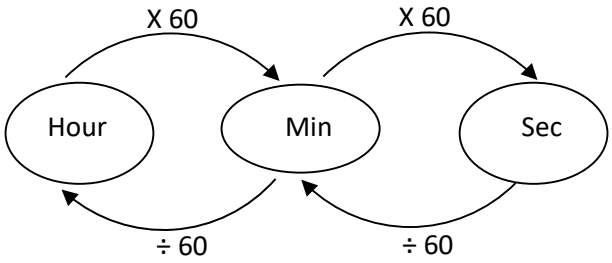


Volume





Time



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1. The distance a train has travelled at a given time is 450 m.
   Give the distance in kilometres.
   0580/22/F/M/17 Q16

2. The actual distance between two points is 54000 Km.
   Give this distance in cm.
   0580/21/M/J/11 Q13a

3. Change 64 square metres into square millimetres.
   0580/22/M/J/10 Q6

4. A lake has an area of 63 800 000 000 square metres.
   Write this area in square kilometres, correct to 2 significant figures. [2]
   0580/22/M/J/12 Q5)

5. The actual area of Slovakia is $4.9 \times 10^{14} cm^2$.
   Give the area in square kilometres [1]
   0580/21/O/N/19 Q14

6. Change 6200 cm^2 into m^2 [1]
   0580/22/M/J/17 Q3)

7. Write 60 square metres in square centimetres
   0580/23/O/N/13 Q5(a)

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8. The area of the field ABCDE is 15000m^2.
   Give the area in hectares.
   [1 hectare = 10000m^2]
   0580/41/M/J/19 Q3(d)

9. The capacity of a smaller container is 0.352 litres.
   Give the volume in millilitres. [1]
   0580/22/O/N/19 Q13

10. The volume of the model car is calculated to be 0.0015m^3 .
    State this value in cubic centimetres. [1]
    0580/21/M/J/19 Q19

11. The volume of an actual house is 64800000cm^3.
    State this value in cubic metres.[1]
    0580/23/O/N/17 Q10

12. A water tank in the shape of a cuboid has length
    1.5 metres and width 1 metre.
    The water in the tank is 60 centimetres deep.
    Calculate the number of litres of water in the tank. [3]
    0580/21/O/N/18 Q10)

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13. The base of a rectangular tank is 1.2 metres by 0.9 metres.
    The water in the tank is 53 centimetres deep.
    Calculate the number of litres of water in the tank. [3]
    0580/22/F/M/15 Q3)

14. Christa had a music lesson every week for one year.
    Each of the 52 lessons lasted for 45 minutes.
    Calculate the total time that Christa spent
    in music lessons. Give your time in hours. [2]
    0580/23/O/N/13 Q1)

15. 1 second = 10^6 microseconds.
    Change 3×10^{13} microseconds into minutes. [1]
    0580/23/M/J/10 Q9)

16. Convert 144km/h into metres per second. [2]
    0580/21/O/N/13 Q19

17. Change 45 km/h into m/s [2]
    0580/23/O/N/15 Q26

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18. Convert 3 kilometres / minute into metres /second [2]
0580/23/M/J/11 Q22)

19. Write 22 metres per second in kilometres per hour [2]
0580/23/O/N/13 (b)

20. A car travels a distance of 1280 **metres** at an average speed of 64 kilometres per hour. Calculate the time it takes for the car to travel this distance. Give your answer in **seconds**.
0580/21/M/J/15 Q13)

21. A car travels at 108 km/h for 20 seconds. Calculate the distance the car travels. Give your answer in metres. [3]
0580/23/O/N/18 Q15)

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22. A train travels for m minutes at a speed of x metres per second. [3]

(a) Find the distance travelled, in **kilometres**, in terms of m and x. [2]

(b) When m = 5, the train travels 10.5 km. [2]
Find the value of x.

0580/21/O/N/16 Q20)

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Answers

Q1) 0.45km
Q2) 5400000000cm
Q3) 64000000 mm^2
Q4) 64000km^2
Q5) 49000km^2
Q6) 0.62 m^2
Q7) 600 000
Q8) 1.5 hectare
Q9) 352mililitres
Q10) 1500cm^3
Q11) 64.8 m^3
Q12) 900 litres
Q13) 572.4 litres
Q14) 39 hours
Q15) 500 000 min
Q16) 40
Q17) 12.5 m/s
Q28) 50m/s
Q19) 79.2 km/h
Q20) 72 sec
Q21) 600m
Q22) (a)3mx/50(b) 35

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