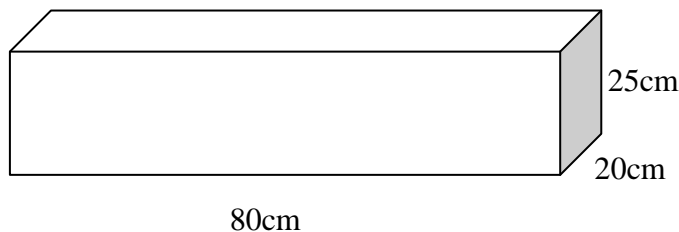



**End of Level 3 Revision (non calculator)**

1. Calculate (a)  $40 \times 50 \times 60$  (b)  $7^2 + 4^3$  (c)  $400 \times 0.05$  (d)  $16 \div 400$
2. Solve (a)  $4x + 7 = 43$  (b)  $7x - 6 = 50$  (c)  $5 + 6x = 56$   
(d)  $9x - 5 = 3x + 25$
3. (a) What percentage of the numbers on a dice are prime ?  
(b) A car has its price decreased from £16000 by 20%. What is the reduced price of the car ?
4. Calculate (a) 3% of £60 (b) 15% of \$440 (c)  $33\frac{1}{3}\%$  of 84 Kg  
(d)  $600 \div 20$  (e)  $20 \div 800$  (f)  $4 \div 0.08$
5. (a) Tom got 12 out of 15 for his French test and 36 out of 50 for his Maths exam. Change both marks into percentages.  
(b) The ratio of boys to girls in a class is 2:3. There are 12 boys in the class. How many girls are in this class?
6. Calculate (a)  $-8 + 9$  (b)  $9 - (-5)$  (c)  $-12 - (+3)$  (d)  $-5 - (-6)$   
(e)  $-6 \times -8$  (f)  $40 \div -5$  (g)  $-60 \div -5$  (h)  $-7 \times -4 \times -5$   
(i)  $(-4)^2 - (-3)$
7. How many 20 cm pieces of wood can be cut from a length of 6.80 metres
8. In a school where there are 400 pupils 150 are boys. What is the ratio of boys to girls in this school
9. A t.v. normally costing £640 has its price increased by 8%. What is the sale price ?

10.



How many litres can this fish tank hold when it is 75% full ?

11.  $6x - 11 = 4x - 3$  Solve the equation and hence evaluate  $3x^2 + (3x)^2$
12. What percentage of the first 20 natural counting numbers (1 – 20) are prime
13. Calculate (a)  $-13 - (-5) + 12$  (b)  $6^3 - 15^2$  (c)  $(4^2 - 3^2)^3$   
(d)  $8 \times 9 \times 10 \times 11$
14. Jim wants to change £300 into Euros. The exchange rate is £1 = 1.34 Euros. How many Euros does receive ?
15. Calculate (a) Change 2.45m into mm (b) Change 0.4 km into metres  
(c) Change 2.5 km into cm
16. Calculate 15% of  $\sqrt{400}$
17. Change 30 inches into cm. (1 inch = 2.54 cm)
18.   
80cm
- The area of this rectangle is  $2800\text{cm}^2$ . Find the perimeter of the rectangle and give the
19. In a triangle one of the angles is  $30^\circ$ . The other two angles are in the ratio of 2:1. What are the sizes if the other two angles?
20. Find the mean (average) of the factors of 80
21. Find the area of a kite with diagonals of length 60cm and 32 cm