

Year 7 Revision Questions - Jan 2011

1. Simplify the following expressions:

a)  $g + g + g$

b)  $d \times d \times d \times d$

c)  $4p + 6p - 2p$

2. Calculate:

a)  $34 \times 65$

b)  $\frac{3}{4} - \frac{1}{3}$

c)  $5 \times \frac{3}{8}$

d)  $4\frac{1}{4} - 2\frac{3}{5}$

e)  $6 - 15$

f)  $3 - - 9$

3. Find the value of:

a)  $4^3$

b)  $34 - \sqrt{16}$

c)  $2 + 5 \times 6 - 7$

4. A sequence begins: 3, 7, 11, 15...

a) Find the next three terms

b) Write down the term to term rule

c) Work out the position to term rule

d) Find the value of the 20th term

5. Convert...

a) 0.7 to a fraction      b) 0.26 to fraction

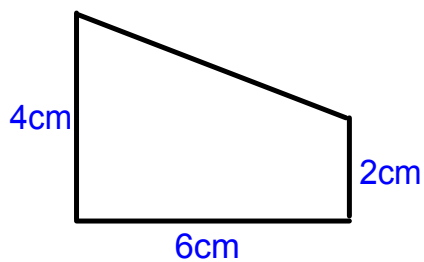
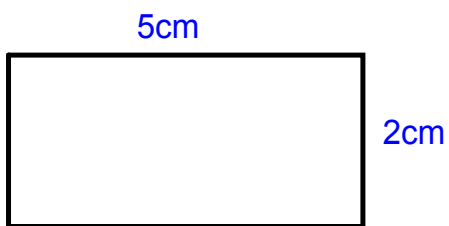
c)  $\frac{3}{5}$  to a decimal      d)  $\frac{2}{3}$  to a decimal

Year 7 Revision Questions - Jan 2011

6. The probability that I will win a game of football is 0.6

What is the probability that I will *not* win a game of football?

7. Find the area of these shapes:



8. A survey is done of the number of eggs in various nests:

Eggs	frequency
0	3
1	8
2	5
3	4

a) What is the modal number of eggs in these nests?

b) Copy the table and use it to calculate the mean number of eggs.