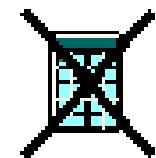


## 62 (M) Maths Homework 13

1) Round these numbers as each question indicates.

a) 67 845 to 1 d.p.      b) 312.206 to 2 d.p.

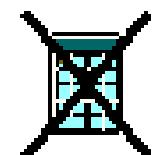
c) 4 97613 to 2 d.p.      d) 5723.6632 to 1 d.p.



2) The ages of the members of a local gym are as follows.

27 23 32 37 30 19 35 28 43 38 26

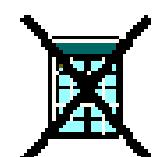
40 35 32 18 24 24 20 38 32 34 23



Show this data on an ordered stem-and-leaf diagram.

3) a) Find a formula that links  $y$  to  $x$ .

$x$	1	2	3	4	5
$y$	4	8	12	16	20



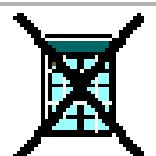
b) Find  $y$  if  $x = 13$ .

c) Find  $x$  if  $y = 168$ .

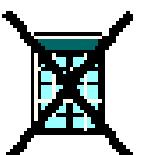
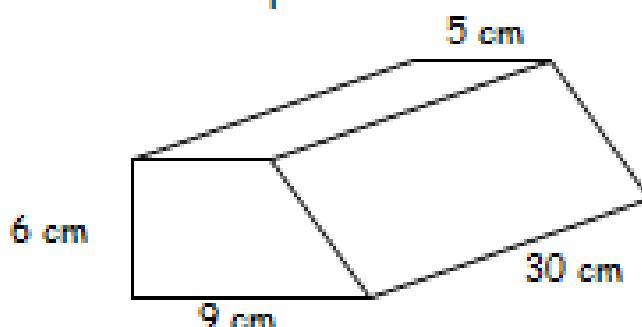
4) Factorise a)  $6q - 42$

b)  $8ab + 12b^2$

c)  $28k - 14jk$

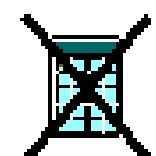


5) Find the volume of this prism.



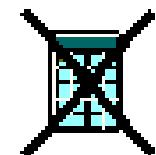
6) a) Find a formula that links  $y$  to  $x$ .

$x$	1	2	3	4	5
$y$	8	11	14	17	20



b) Find  $y$  if  $x = 11$ .

c) Find  $x$  if  $y = 95$ .



7) Find 12.5% of €52 192 by only doing one sum.