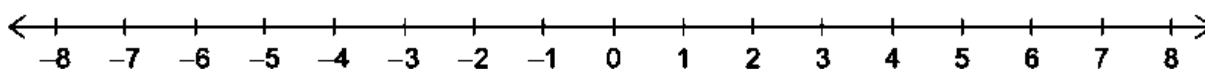


Revision Worksheet 2 – Integers 2015

Complete all questions showing appropriate working

Question 1: Keywords and Understanding.

- a) Explain what Integer numbers are.
- b) What letter do we use to represent the set of Integers?
- c) What is the rule for Adding and Subtracting Integers?
- d) What is the rule for Multiplying and Dividing Integers?
- e) Work out the following calculations using the number line.



- (i) $3 - 5$ (ii) $-1 + 4$ (iii) $-1 - 9$ (iv) $3 + 2$ (v) $-6 + 4 - 2 + 4 - 1 + 5 + 3 - 7$

Answers to the number line

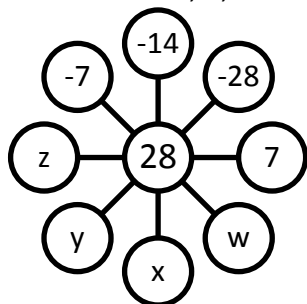
Question 2: Calculations, you must show all your work underneath each question.

- a) $-6 + 2 + 5 - 1 - 8 =$
- b) $10 - 13 - 4 - 3 + 10 =$
- c) $-6 (-3) =$
- d) $-8 \div 4 =$
- e) $6 (-2) - 5 (-3) - 3 =$
- f) $3 (-2)^2 - 5(-2) - 20 =$
- g) $(16 - 4) \div 2 + 5 \times (-4) =$

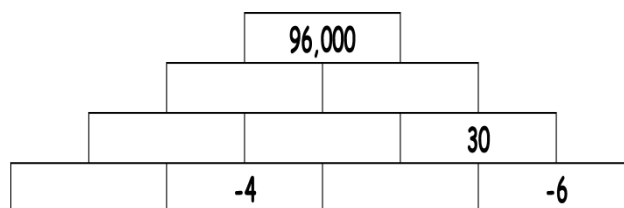
Question 3: Complete the following

- a) The opposite numbers in the wheel **multiply** to give 28

Find the values of W, X, Y and Z



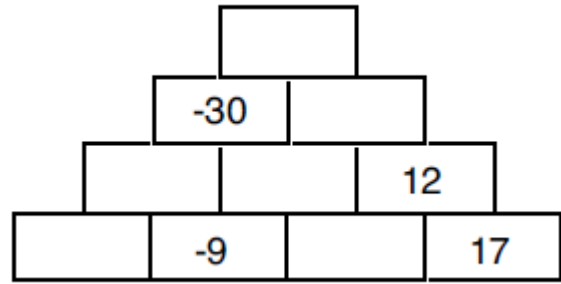
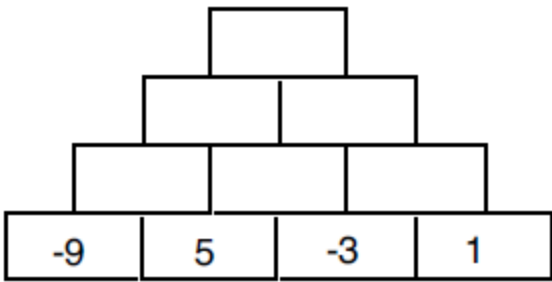
- b)



W =
X =
Y =
Z =

Question 4

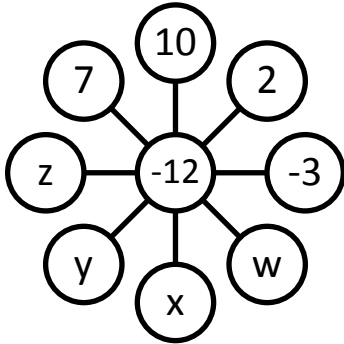
(a) Complete the following Pyramids:



(b) Complete the following Addagons:

(i)

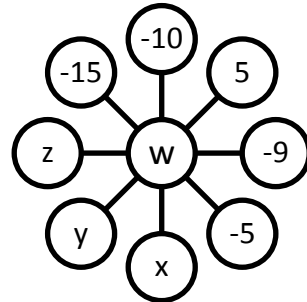
The opposite numbers in the wheel add to give -12.



W =
X =
Y =
Z =

(ii)

To find w, you add the opposite wheels and then the rest of the opposite numbers in the wheel will add to w.



W =
X =
Y =
Z =