



# NEERJA MODI SCHOOL

A GLOBAL INSTITUTE

**GRADE - VIII**  
**I. G. C. S. E.**

## **HOMEWORK**

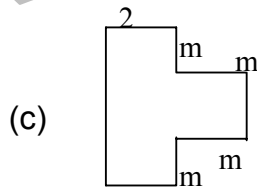
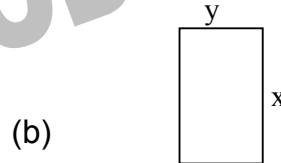
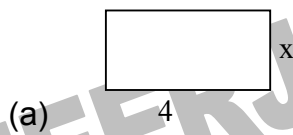
FRIDAY, NOVEMBER 13, 2009

### **MATH**

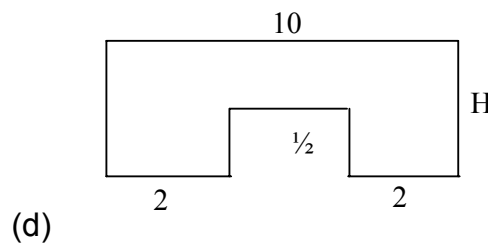
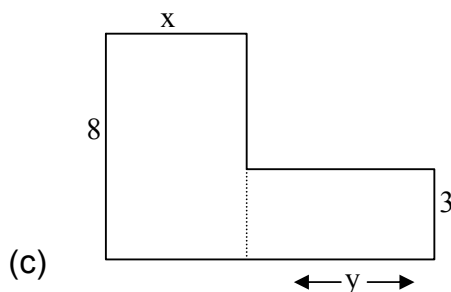
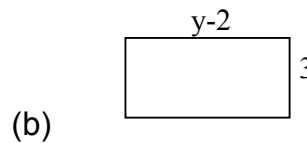
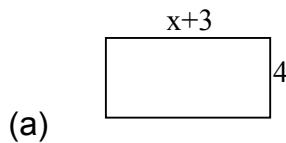
Q.1 Out the following:-

- (a) 10% of 60                      (b) 50% of 46  
(c) 9% of 9                        (d) 70% of 125

Q.2 Write an expression for the perimeter of each shape.



Q.3 Write an expression for the area of each of these shapes.



Example: - Expand the expression and simplify your answer

$$\begin{aligned} & (x-2)(x+3) \\ \Rightarrow & x(x+3) - 2(x+3) \\ \Rightarrow & x^2 + 3x - (2x + 6) \\ \Rightarrow & x^2 + 3x - 2x - 6 \\ \Rightarrow & x^2 + x - 6 \end{aligned}$$

**Q.4 Exercise:**

Expand the expression and simplify your answer:

- a.  $(x + 1)(x - 3)$
- b.  $(x-3)(x-3)$
- c.  $(6p + 2)(3p - 1)$
- d.  $(6y + 3)(3y + 1)$
- e.  $(a + b)(a - b)$
- f.  $(-3 - 2y)(4y - 6)$
- g.  $(3y + 2)(2y - 5)$
- h.  $(2x - 3)(2x + 3)$

**ACTIVITY**

**Prepare charts for the soft board. Topics are:-**

- Properties of quadrilaterals
- Area and perimeter of various figures
- Volume and surface area of various solids

# **SCIENCE**

1. Read the chapter of Magnets and electromagnets and answer the following questions:-

- a) Name four magnetic materials
- b) Name two non – magnetic materials.
- c) Where is the magnetic force strongest in a magnet?
- d) When a magnet is free to move, in which direction does it point?
- e) Explain why one end of a magnet may repel the end of another magnet or attract the end of another magnet.
- f) What are the tiny regions inside a magnetic material which can be arranged in lines?
- g) How is a magnetically hard material different from a magnetically soft material?
- h) Which material keeps its magnetism longer?
- i) Give an examples of each type of material.
- j) What is a magnetic field?
- k) Draw a sketch of how iron filings would shown a magnetic field around a bar magnet.
- l) What is plotting compass used for?
- m) Does the earth contain a bar magnet? Explain your answer
- n) Draw the magnetic field around a vertical wire down which a current is flowing.
- o) What is the metal at the centre of an electromagnet?
- p) Give two examples of where electromagnets are used.

# **ENGLISH**

## **ATTEMPT ANY FIVE QUESTIONS**

1. What "hurly burly" does the weird women refer to ?
2. What do the three witches predict for Macbeth and Banquo?
3. Narrate the incident of Sailor's Wife in your own words?
4. "If chance will have me King, why chance may crown me without my stir" – explain with reference to context.
5. "The eye wink at the hand: yet let that be which the eye fears, when it is done, to see"". What is "feared" in the excerpt?
6. What similarities are there in the thoughts contained in each of the soliloquies of Act 1?
7. Is Macbeth a bloody butcher or a tragic hero?
8. "We will proceed no further in this business"- Macbeth. What state of mind is reflected in the given statement?
9. "Sleep no more! Macbeth does murder sleep..." – whose murder has been alleged and condemned in the given extract? In line with the 11th Century era, describe how grief was the offence.
10. Describe 10 *Archaic Words* that you have learned through Macbeth with their meaning and usage.