DRAWING AND DESIGN PAPER 1

ANSWERS

KCSE 2010

Coordinated by KENPRO, Macjo Arcade, 4th Floor, Suite 15E, Off Magadi Road, Ongata Rongai | Tel: +254202319748 | E-mail: infosnkenya@gmail.com | Website: www.schoolsnetkenya.com/

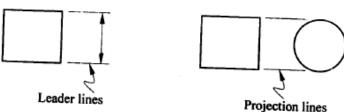
Drawing and Design Paper 1 (

- 1. (a) It will not add value to the drawing since it would produce the same view as the one initially used though in reverse directions. (1 x 1)
 - (b) The tape:
 - (i) tends to peel the top layer of the drawing paper
 - (ii is expensive (2 x ½)
- Salary is payment made after a predetermined period/duration and is taxable.
 Wage is payment to short term worker usually daily or weekly (2 x 1)
 - (b) DESIGN: a process of converting an idea into pictorial or drawing form

Factors to consider –function (1 x 1)

-aesthetics (2 x ½)

3. (a)



(b) DEFINITIONS

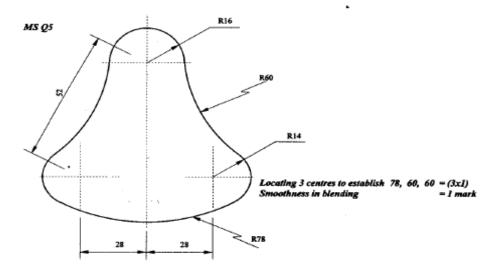
PLASTICITY: the ability of materials to deform and retain its new shape when load is removed.

ELASTICITY: the ability of materials to deform under load and return to its original shape, when load is removed. (x1)

4. CONVENTIONS

(a) Ø15
COUNTERBORE
(b) Ø20
SPOTFACE

Counter bore $4 \times \frac{1}{2} = 2$ Spot face $4 \times \frac{1}{2} = 2$ TOTAL =4 5.



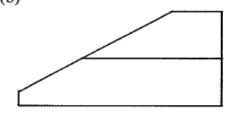
6.

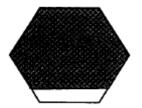
$$(ii) = 0.11$$

 3×1

(b)

(a)





END ELEVATION

2 faces (2 x ½) = 1

Hatching = ½

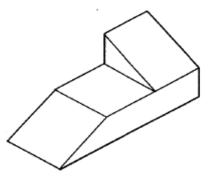
PLAN

4 faces (4 x ½) = 2

Hatching = ½

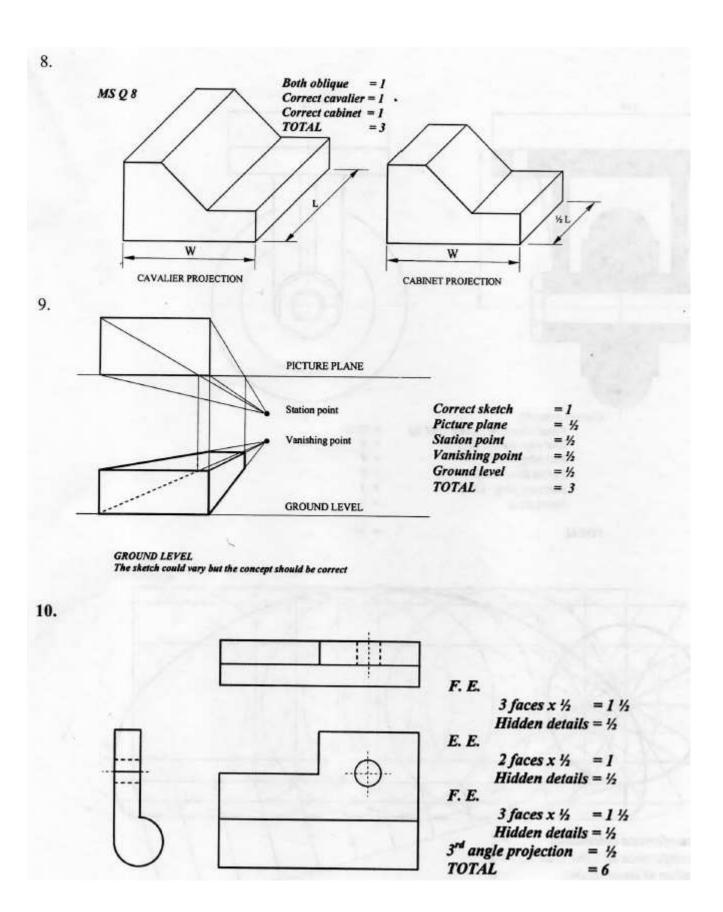
TOTAL = 4

7.

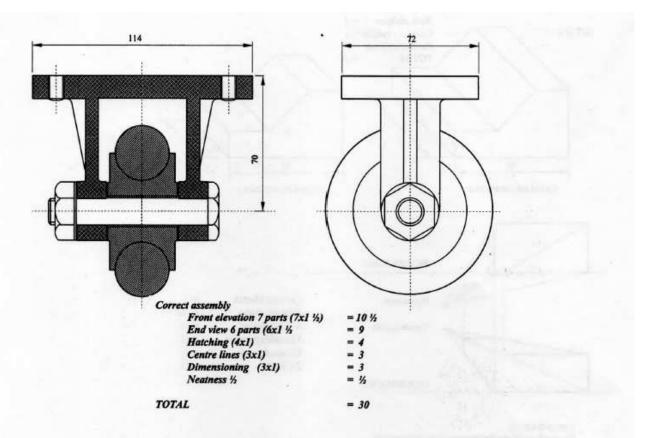


5 faces $x \frac{1}{2}$ = 2 $\frac{1}{2}$ Correct lowest point X = $\frac{1}{2}$

TOTAL = 3



11.



12.

