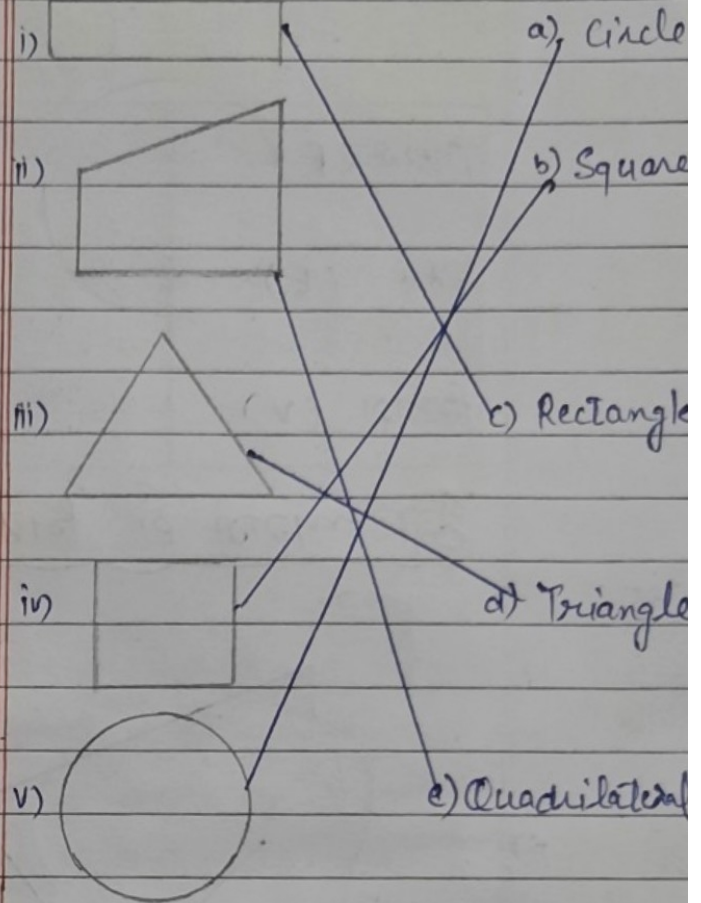
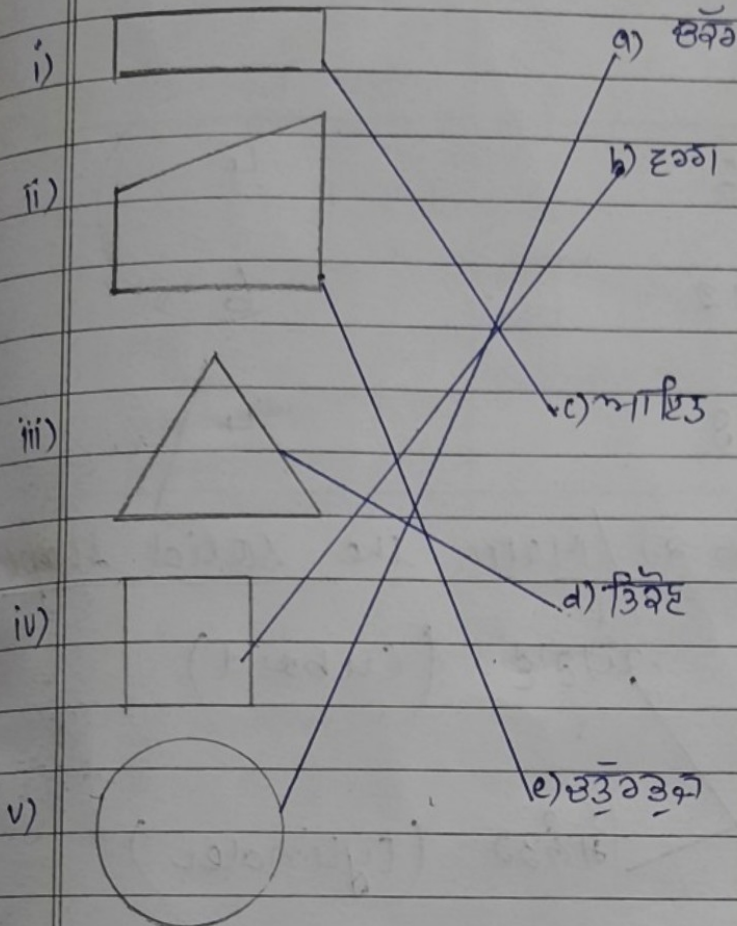


ਮਾਪਦਿਸ਼ਾ

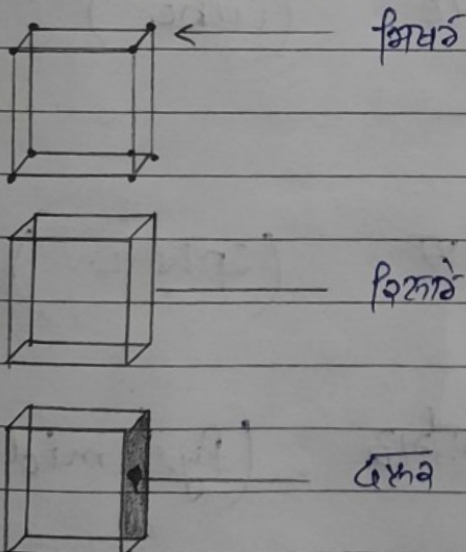
ਇਹ ਪੰਨਾ ਤੇ ਮਾਪਦਿਸ਼ਾ ਦਾ ਨਾਂ ਦੇ ਕਰਕੇ
ਮਿਲਾਨ ਕਰੋ।

INTRODUCTION

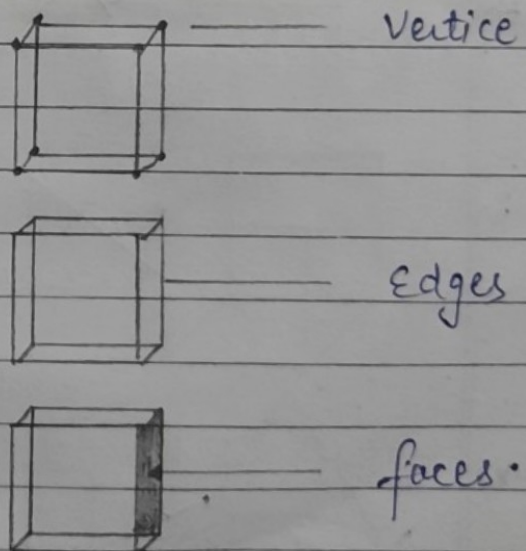
match the same shape
with name (2-Dim)



ਟਰੇਪੀਜ਼ਮ, ਚਿਤਰਨ ਅਤੇ ਮਿਲਾਨ

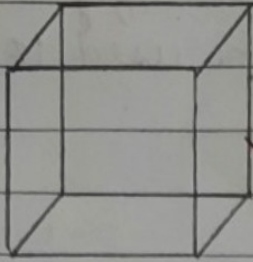


FACES, EDGES + VERTICES

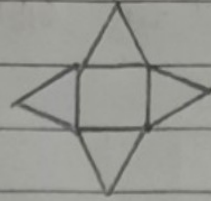


Q3: જાણાં કે અગી ટેમાં કાફ ચિત્રાઈ / Match the net with suitable solids.

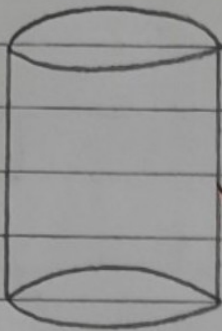
a)



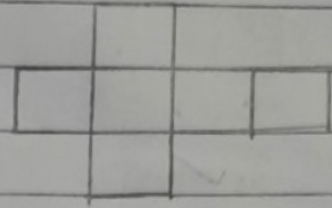
i)



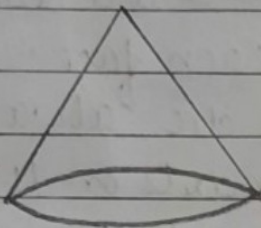
b)



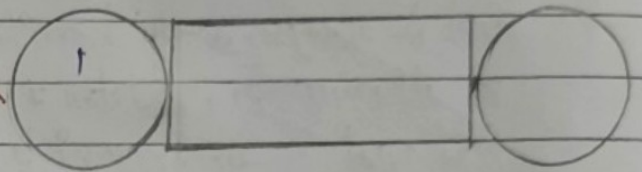
ii)



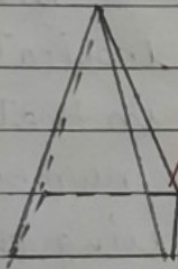
c)



iii)



d)



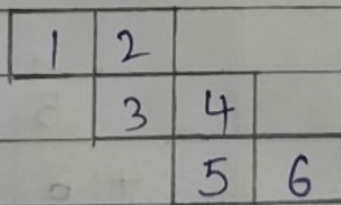
(iv)



Home work

Qus 1 કી હિંકે જે પામે છાલી દિવ માફ કે મવેલ છે ? જાણકે કિંકે કે મપમંટ રો

Q1 Can this be a net for a die? Explain your answer

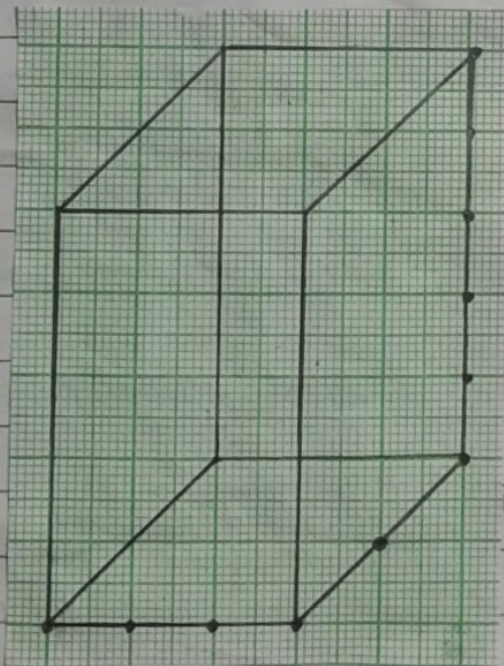
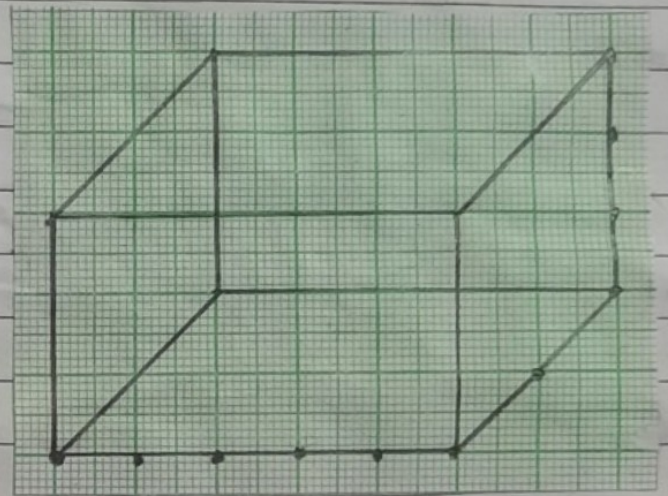
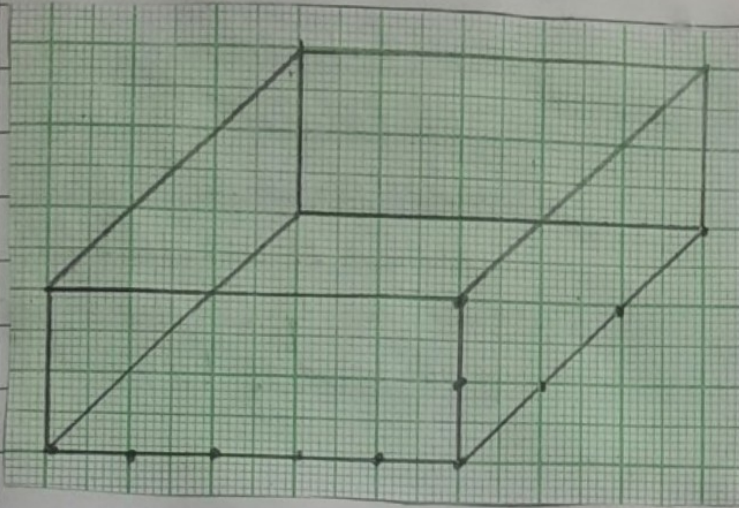


Ques) ਇਹ ਪਛਾਣ ਦੇ ਪੱਧਰ 5 ਸਮ, 3 ਸਮ 3
 ਸਮ ਹਨ। ਇਸ ਪਛਾਣ ਦੇ ਤਿੰਨ ਵੱਖ-
 ਵੱਖ ਵਰਗਦਾਰ ਹੋਰੀ ਵਾਲੇ ਚਿੱਤਰ ਬਿੱਚੋ।

ਮਾਤਰਿਕਾ 15.2

(Ex 15.2)

Q1 The dimensions of a cuboid are 5cm, 3cm, 2cm. Draw three different isometric sketches of this cuboid.



Q-2. 2 મમ દાંડે કિં પડા છે ત્રણ ત્રણ
ગેજે જે દિવ પડાઈ વધારિયા મિત્તા
મેં 1 દિવ પડાઈ દા દિવ કિંડા માં વચ્ચે
દુબી દાંડા કિંડો ધિરે.

જક

2 મમ દાંડે કિં પડા છે દિવ દુબી
ઉપર ગેજે જે દિવ પડાઈ વધારિયા
મિત્તા મેં

પડાઈ દી લંબાઈ = $2+2+2=6$ મમ

પડાઈ દી ઉંચાઈ = 2 મમ

પડાઈ દી રૂંધાઈ = 2 મમ

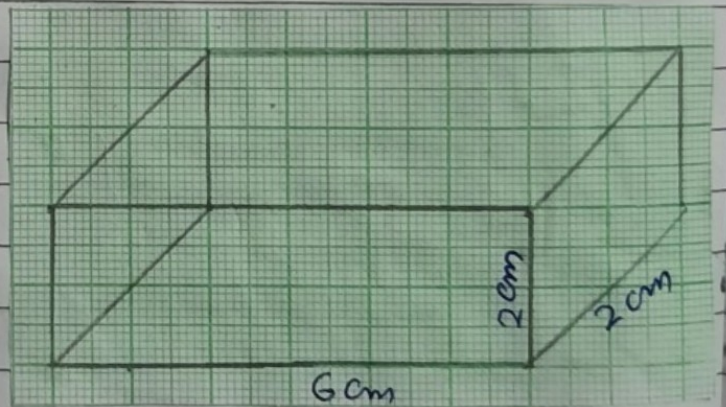
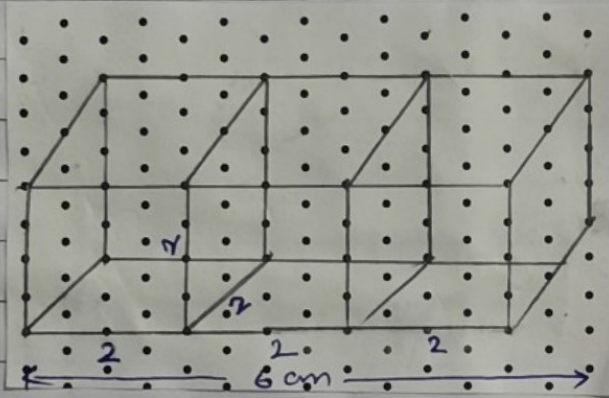
Q2. Three cubes each with 2cm
edges are placed side by side
to form a cuboid. Sketch an
oblique or isometric sketch.

A cuboid is made up
of combining three cubes
with edge 2 cm.

length of cuboid = $2+2+2=6$ cm

Height of cuboid = 2 cm.

Breadth of cuboid = 2 cm.



Homework practice.

Q3. જહા દિંડો દિંડો i) દિવ કિંડા માં દિવ વચ્ચે
દુબી દાંડા કિંડો ધિરે :

a) 5 મમ, 3 મમ, 2 મમ તમારો દાંડા દિવ
પડાઈ

b) 4 મમ ધીંધો કિંડા દાંડા પડાઈ

Q3) Give an oblique sketch and
isometric sketch of each
of the following.

a) A cuboid of dimensions 5 cm,
3 cm, 2 cm

b) A cube with edge 4 cm long

અભિનવ 15-3

Ex - 15-3

Q1.)

હીલે વિઝી દુમાર પાદ પ્રાપ્ત રીડે
મરે હીલે રીડે રીડે રીડે

- હીલે રીડે રીડે
- હીલે રીડે રીડે રીડે

Q2.)

મરે હીલે રીડે રીડે રીડે રીડે રીડે
હીલે રીડે રીડે રીડે રીડે રીડે

- | | | |
|------------------------|---|-----------|
| a) હીલે રીડે | — | પ્રાપ્ત |
| b) હીલે રીડે રીડે | — | રીડે |
| c) હીલે રીડે | — | પ્રાપ્ત |
| d) હીલે રીડે રીડે | — | રીડે |
| e) હીલે રીડે રીડે રીડે | — | રીડે રીડે |

મરે હીલે રીડે રીડે રીડે રીડે રીડે
હીલે રીડે રીડે રીડે રીડે રીડે

- | | | |
|------------------------|---|-------------------|
| a) હીલે રીડે | — | પ્રાપ્ત |
| b) હીલે રીડે રીડે | — | રીડે |
| c) હીલે રીડે | — | પ્રાપ્ત |
| d) હીલે રીડે રીડે | — | પ્રાપ્ત રીડે રીડે |
| e) હીલે રીડે રીડે રીડે | — | રીડે રીડે |

Q1) What cross-section do you get when you give a
i) vertical cut
ii) horizontal cut.

When we give a vertical cut we get following cross section.

- | | | |
|----------------------|---|-----------|
| a) A brick | — | Cuboid |
| b) A round apple | — | Circle |
| c) A die | — | Rectangle |
| d) A circular pipe | — | Circle |
| e) An ice-cream cone | — | |

When we give a horizontal cut we get following cross section.

- | | | |
|----------------------|---|---------------|
| a) A brick | — | Cuboid |
| b) A round apple | — | Circle |
| c) A die | — | Cuboid |
| d) A circular pipe | — | Hemispherical |
| e) An ice cream cone | — | Frustum |

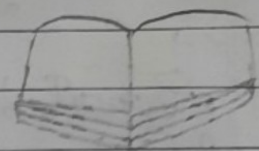
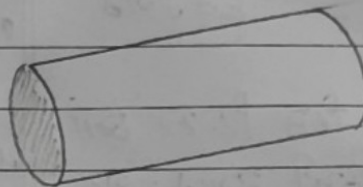
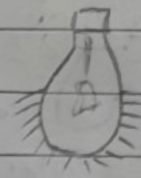
ਮਫ਼ਿਮਸ 15.4

Q1

ਜੇਕਰ ਇੱਕ ਬੁਲਬ ਜਲਦੀ ਹੋਵੇ ਤਾਂ ਉਸਦੀ ਫਿਕਰਮਾਨੀ
 ਹੋਵੇਗੀ ਕਿਉਂਕਿ ਉਸਦੀ ਗਤੀ ਹੈ। ਜੇ
 ਮੰਨਿਆ ਜਾਵੇ ਕਿ ਪ੍ਰਕਾਸ਼ ਦੇ ਆਰਾਮ ਦੀ
 ਰੀਟ ਹੈ।

Q1) A bulb is kept burning
 just right above the following
 solids. Name the shape of
 the shadows obtained in
 each case.

Sol.



(i) ਇੱਕ ਗੋਲ

(ii) ਇੱਕ ਵਰਗਾਕਾਰ ਪਾਈਪ

(iii) ਇੱਕ ਪੁਸਤਕ

(A Ball)

(A Circular pipe)

(A book)

ਪ੍ਰਕਾਸ਼ ਦੇ ਆਰਾਮ (Shape of shadow)

i) ਇੱਕ ਚੱਕਰ

ii) ਇੱਕ ਆਇਤ

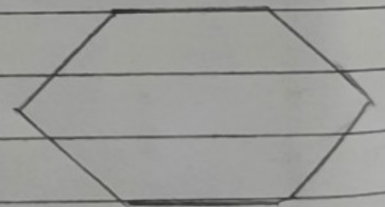
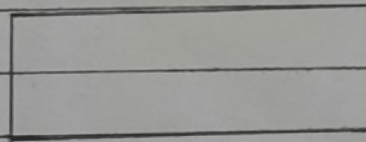
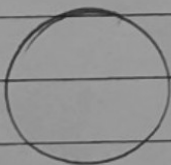
iii) ਛੇ-ਭੁਜ

(A Circle)

(A Rectangle)

(A Hexagon)

ਜਿਹੜੀ ਫਿਕਰਮਾਨੀ ਹੈ (Figure obtained)



Q2. ਸਾਂਚ ਕਰੋ ਕਿ ਕੀ ਇਹ ਕਥਨ ਸੱਚ ਹਨ।

- i) ਇਹ ਪਾਣੀ ਇਕ ਆਇਤ ਦੇ ਆਕਾਰ ਦਾ ਪਰਛਾਈ ਦੇ ਸਕਦਾ ਹੈ। **ਸੱਚ**
- ii) ਇਹ ਪਾਣੀ ਇਕ ਟ੍ਰੇਪੀਜ਼ੀ ਦੇ ਆਕਾਰ ਦਾ ਪਰਛਾਈ ਦੇ ਸਕਦਾ ਹੈ। **ਸੱਚ ਨਹੀਂ**

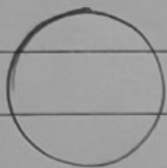
Examine if the following are true statements:

- i) The cube can cast a shadow in shape of rectangle. **TRUE**
- ii) The cube can cast a shadow in shape of hexagon. **FALSE**

Homework

Q3. ਇਥੇ ਕੁਝ 3-D ਵਸਤੂਆਂ ਦੇ ਪਰਛਾਈ ਦੇ ਗੁਣ ਹਨ ਜੋ ਉਹਨਾਂ ਦੇ ਇਕ ਚਿੱਤਰ ਪ੍ਰੋਜੈਕਟਰ ਦੇ ਲੈਂਪ ਦੇ ਅਧੀਨ ਪਾਏ ਜਾ ਰਹੇ ਹਨ।

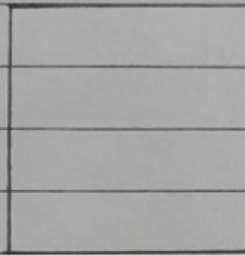
Q3. Here are the shadows of some 3-D objects, when seen under the lamp of an overhead projector. Identify the solid.



(i)

ਇਹ ਚੱਕਰ

A Circle



(ii)

ਇਹ ਵਰਗ

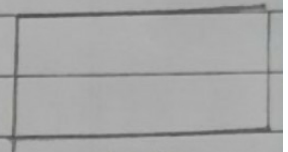
A Square



(iii)

ਇਹ ਤ੍ਰਿਭੁਜ

A triangle



(iv)

ਇਹ ਆਇਤ

A rectangle