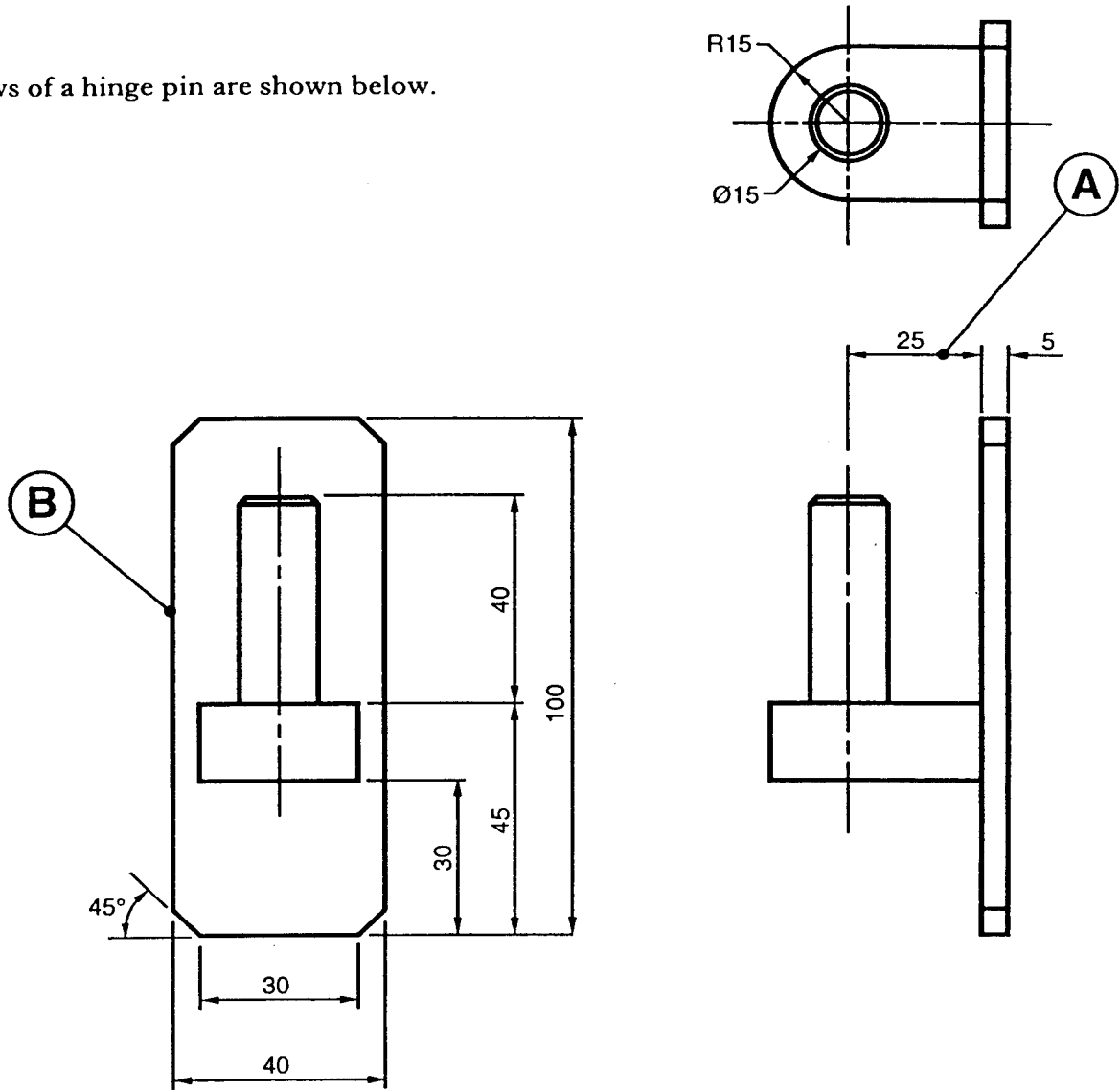


Three views of a hinge pin are shown below.



(a) Look at these views and then name the **types of line** used at (A) and (B).

A is a line.

B is a line.

(KI 2)

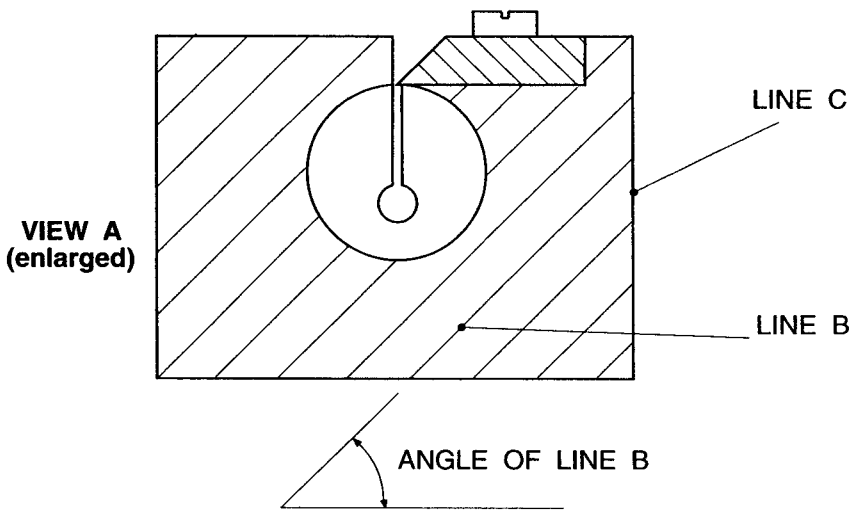
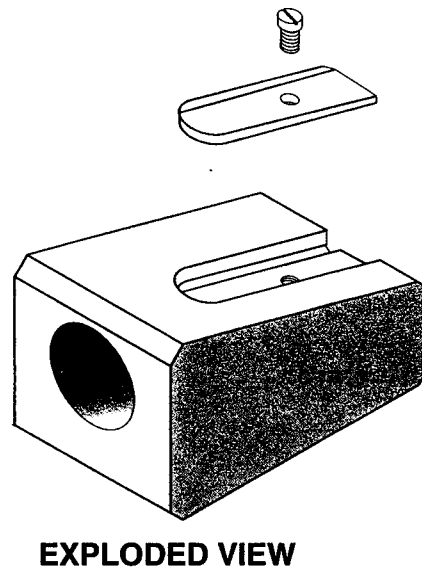
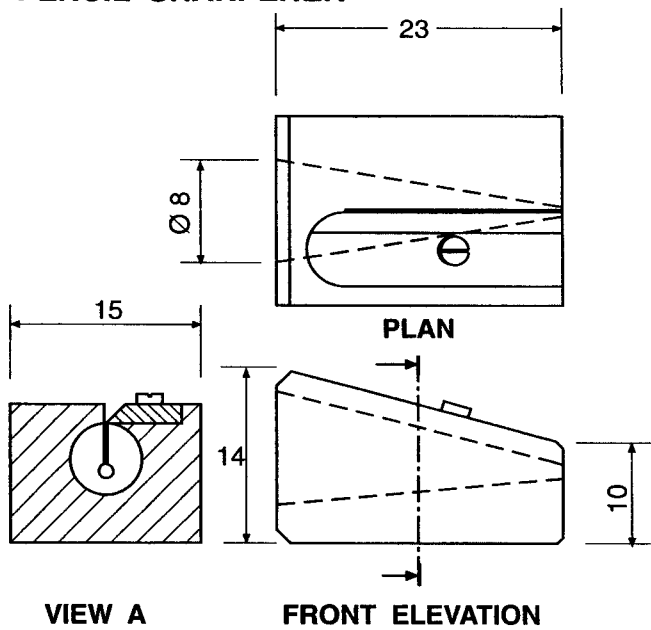
(b) What do the following symbols represent?

Ø

R

(KI 2)

PENCIL SHARPENER



Drawings of a pencil sharpener are shown.

- What type of view is VIEW A? _____ **(KI 1)**
- Name the types of line shown at B and C.
Line B _____ Line C _____ **(KI 2)**
- What is the angle of line B? _____ **(KI 1)**
- Two** of the dimensions given are shown in the wrong way. Put a circle round each of these dimensions. **(KI 2)**
- On the plan, what does the symbol \varnothing mean? _____ **(KI 1)**

Details of the clip for a pen are shown below.

(a) Which of the Plans (A or B) would be correct?

.....

(KI 1)

(b) Add the hidden detail missing from the end elevation.

(KI 2)

(c) What is wrong with the 45 dimension?

.....

(KI 1)

(d) What scale has been used to draw these details? Tick the correct box.

Half full size

Full size

Twice full size

(KI 1)

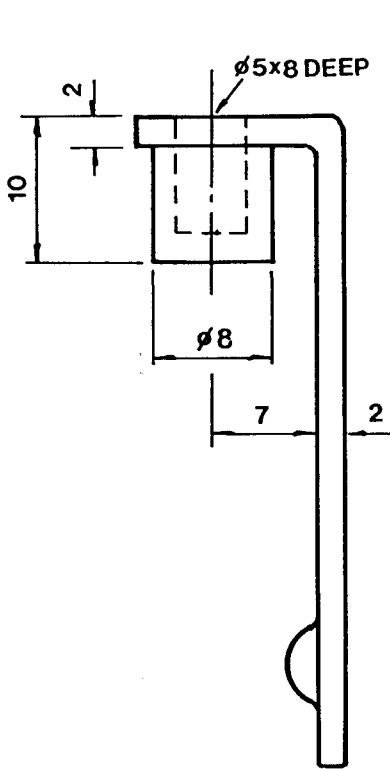
(e) Which angle should be used to draw hatching (sectioning) lines? Tick the correct box.

30°

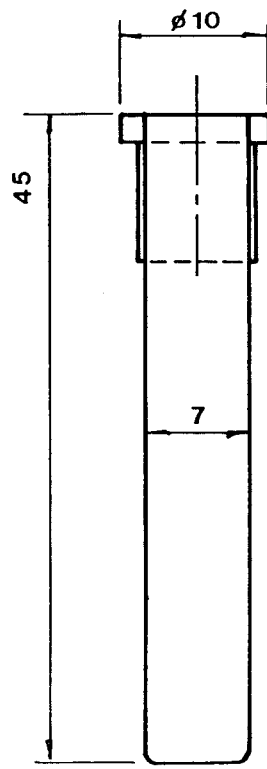
45°

60°

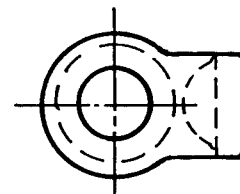
(KI 1)



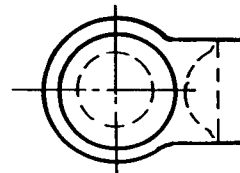
ELEVATION



END ELEVATION



Plan A



Plan B

Two versions, ① and ②, of a sectional elevation of an adhesive tape roller are shown.

(a) Which elevation shows the correct sectioning related to the cutting plane line AA?

.....

(KI 1)

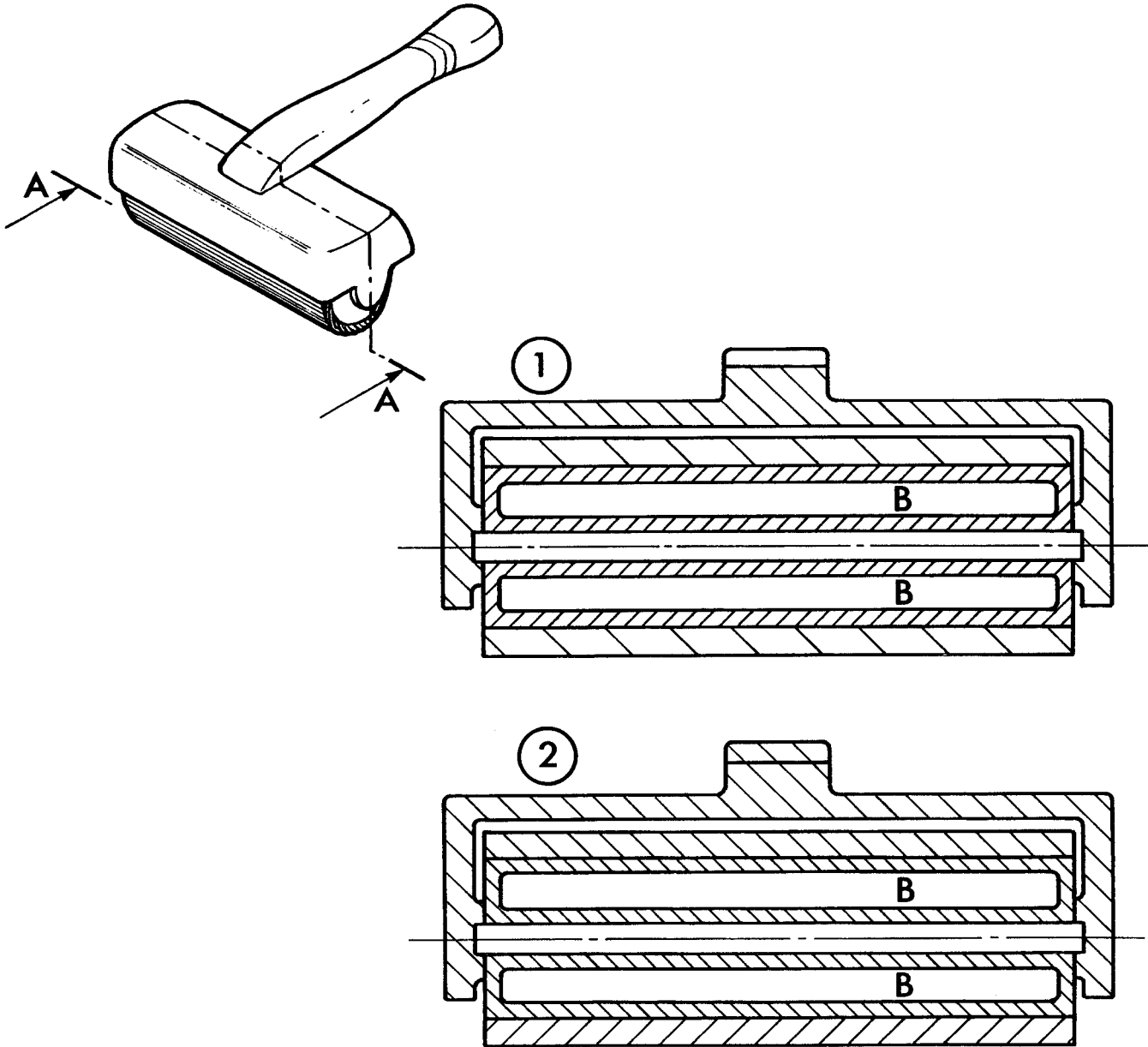
(b) Circle the areas on the **other** elevation which are incorrectly sectioned.

(KI 2)

(c) Why have the areas labelled B not been sectioned?

.....

(KI 1)

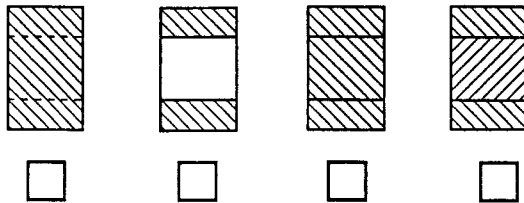


Two views of a concrete building block are shown opposite. A sketch of several blocks forming a wall is shown underneath.

(a) To the given sizes, **draw an isometric view** of the building block.
Corner "A" should be the lowest point. Do **not** show hidden detail. (DA 7)

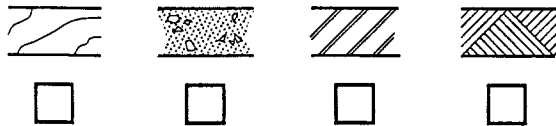
(b) Why are there two *broken lines* in the end elevation of the building block?
..... (KI 1)

(c) Which of the following could be the correct *end view* of the block when it has been cut by the plane XX? Tick one box. (KI 1)



(d) On the elevation, a *chain line* is used to show the cutting plane XX.
Give **one other** use of a chain line.
..... (KI 1)

(e) Which of these symbols represents concrete? Tick one box. (KI 1)



(f) Which of the following is the correct way to show a *dimension* on a drawing? Tick one box. (KI 1)

