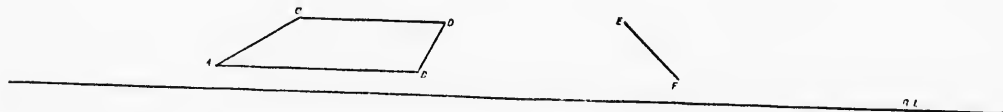


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EXERCISE 32.—In the illustration below *ABCD* is the perspective view of a square of 7' side. By means of it find the horizontal line, centre of vision, and measuring points, and the height, distance and scale. Make it the base of a block 3' thick. Centrally on this block place a cube of 5' edge whose edges will be parallel to the corresponding edges of the block.

EXERCISE 33.—The line *EF* is the lowest edge of the left hand square face of a block 2' thick. Ascertain and state in your own words its size and position and show the appearance of a hole 6' square passing horizontally through it from face to face. The hole passes through the centre of the square faces, its top and bottom edges being horizontal.



EXERCISE 34.—Spectator stands with his eye 5' above the ground and 15' from the centre of an opening 6' x 10' in a floor 1' thick. The centre of the opening is 1' to the right of the eye and 6' from the picture plane, and its long edges are perpendicular to the picture plane. Hinged upon the left hand edge of the opening is a door 6' x 10' x 3" inclined upwards to the left at an angle of 45° with the floor, supported by a stick placed on the floor perpendicular to the plane of the door, and resting against the near end of its upper edge. Show the perspective appearance of the opening and the door. Scale $\frac{1}{4}$.

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