

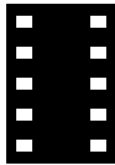


Silent Bells



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STD 10 PHYSICS UNIT 3: REFLECTION OF LIGHT DATE: 17-12-2020 WORKSHEET:4.6



CLASS LINK:

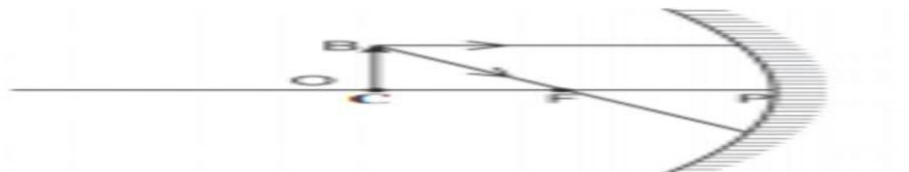


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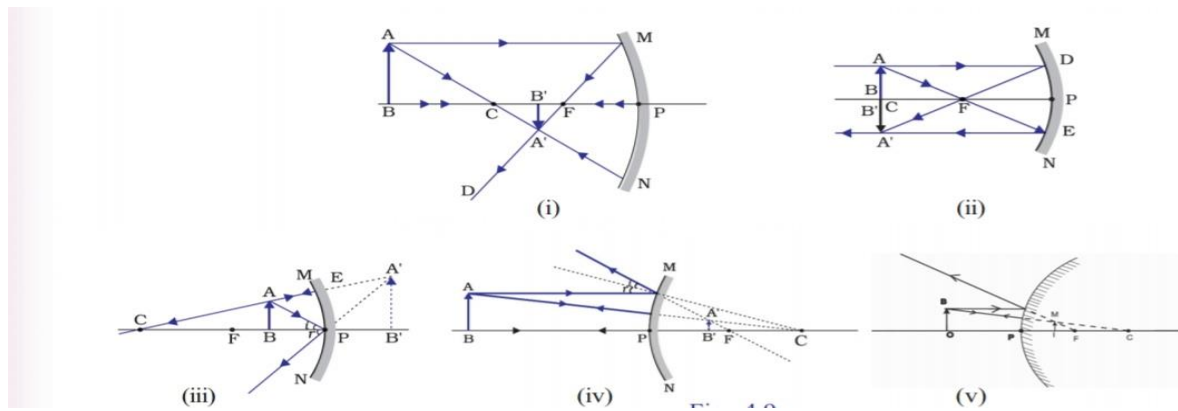
1 Complete the following ray diagram?



2 Complete the image formation of following and write the features of image formed?



3 Complete the table by using the following diagrams?





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Fig	h_i	h_o	Magnification $m = \frac{h_i}{h_o}$	Erect, virtual/ inverted, real	Size is same as that of the object/ magnified / diminished
Fig 1	Negative	Positive	Negative	inverted, real	diminished
Fig 2					
Fig 3					
Fig 4					
Fig 5					

4 Rewrite the incorrect statements from the following?

- When magnification is 1, the size of the image and the size of the object are equal.
- When magnification is more than 1, the size of the image is greater than the size of the object.
- When magnification is less than 1, the size of the image is smaller than the size of the object.
- When the magnification is positive, image is real and inverted.
- When the magnification is negative, image is virtual and erect.

5 What do you understand it is written on rear view mirrors that "Objects in the mirror are closer than they appeared"?