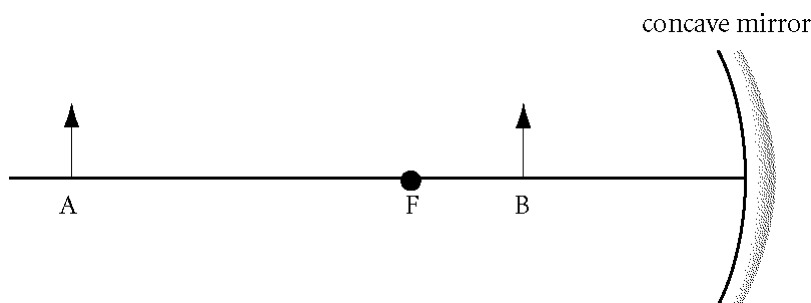
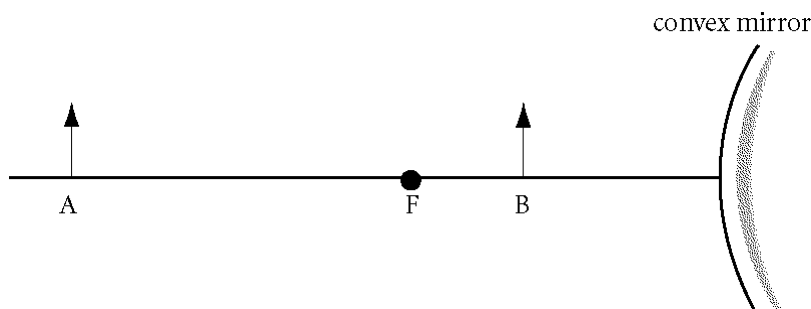


- _____ 10. If a light ray strikes a flat mirror at an angle of 27° from the normal, the reflected ray will be
- 27° from the mirror's surface.
 - 27° from the normal.
 - 90° from the mirror's surface.
 - 63° from the normal.
- _____ 11. The image of an object in a flat mirror is always
- larger than the object.
 - smaller than the object.
 - independent of the size of the object.
 - the same size as the object.
- _____ 12. When two parallel mirrors are placed so that their reflective sides face each other, _____ images form. This is because the image in one mirror becomes the _____ for the other mirror.
- multiple, object
 - reduced, virtual image
 - inverted, center of curvature
 - enlarged, focal point
- _____ 13. If you stand 3.0 m in front of a flat mirror, how far away from you would your image be in the mirror?
- 1.5 m
 - 3.0 m
 - 6.0 m
 - 12.0 m
- _____ 14. Which of the following best describes the image produced by a flat mirror?
- virtual, inverted, and magnification greater than one
 - real, inverted, and magnification less than one
 - virtual, upright, and magnification equal to one
 - real, upright, and magnification equal to one
- _____ 15. A concave mirror with a focal length of 10.0 cm creates a real image 30.0 cm away on its principal axis. How far from the mirror is the corresponding object?
- 20 cm
 - 15 cm
 - 7.5 cm
 - 5.0 cm
- _____ 16. A concave mirror forms a real image at 25.0 cm from the mirror surface along the principal axis. If the corresponding object is at a 10.0 cm distance, what is the mirror's focal length?
- 1.40 cm
 - 7.14 cm
 - 12.0 cm
 - 17.0 cm
- _____ 17. A convex mirror with a focal length of -20.0 cm has an object 30.0 cm in front of the mirror. What is the value of q for the corresponding image?
- -60 cm
 - -12 cm
 - 12 cm
 - 60 cm



- _____ 18. In the diagram shown above, the image of object B would be
- virtual, enlarged, and inverted.
 - real, enlarged, and upright.
 - virtual, reduced, and upright.
 - virtual, enlarged, and upright.



- _____ 19. In the diagram shown above, the image of object *B* would be
- real, reduced, and upright.
 - virtual, enlarged, and upright.
 - virtual, reduced, and inverted.
 - virtual, reduced, and upright.
- _____ 20. Which best describes the image of a concave mirror when the object is located somewhere between the focal point and twice the focal-point distance from the mirror?
- virtual, upright, and magnification greater than one
 - real, inverted, and magnification less than one
 - virtual, upright, and magnification less than one
 - real, inverted, and magnification greater than one
- _____ 21. Which best describes the image of a concave mirror when the object is at a distance greater than twice the focal-point distance from the mirror?
- virtual, upright, and magnification greater than one
 - real, inverted, and magnification less than one
 - virtual, upright, and magnification less than one
 - real, inverted, and magnification greater than one
- _____ 22. Which best describes the image of a concave mirror when the object's distance from the mirror is less than the focal-point distance?
- virtual, upright, and magnification greater than one
 - real, inverted, and magnification less than one
 - virtual, upright, and magnification less than one
 - real, inverted, and magnification greater than one
- _____ 23. Which of the following is *not* an additive primary color?
- yellow
 - blue
 - red
 - green
- _____ 24. Which of the following is *not* a primary subtractive color?
- yellow
 - cyan
 - magenta
 - blue

