Video Quiz

Video Title: Preventing Rock Fall Injuries in Underground Mines
Length: 20:00
Vendor: NIOSH National Institute for Occupational Safety & Health

Synopsis:

1. Nearly a) 20, b) 200, c) 2000, or d) 20,000 underground miners were killed by rock falls over a recent 10 year period.
2. Nearly a) 30, b) 300, c) 3000, or d) 30,000 Underground Miners were badly injured by rock falls over a recent 10 year period.
3. About a) 5 %, b)19 %, c)35 %, d) 60 %, or e) 80% of underground mine fatalities are roof fall related.
4. Immediately after the blast, perform the following steps: 1) ventilate, 2) visually assess the area for any ground movement caused by the blast, 3) wash down the entire heading and muck pile, do a detailed inspection of the ribs and back. True __, False__.
5. The ground is most unstable immediately after the blasted rock is removed. True __, False __.
6. Identifying loose material using visual and sounding techniques cannot be relied on to prevent rock falls. True___, False___.
7. Awareness of your position relative to roof support is important in preventing rock fall injuries. True __, False __.
8. Loose rock on the floor is an important indicator of a potential rock fall. True __, False __.
9. Barring down is considered to be the most important thing a miner can do to prevent rock falls. True __, False __.
10. The length of the scaling bar should be how many feet shorter than the height or width of the working area? a) 1, b) 2, c)3, d)5, e)10
11. Scale under supported ground first. True __, False __.
12. Most mines bar down the roof before mucking. True __, False __.
13. When rock slopes at a slightly downward angle in the direction of the heading, it is virtually impossible to assess the back. This may require barring a safe path along the rib to the face and barring back toward the supported roof. True __, False__.
14. Barring down off the muck pile is easier, but has the associated hazard of poor footing. True __, False__.
15. Even when barring down before mucking, the area should be rechecked with a scaling bar after mucking. True __, False__.
16. Roof bolting personnel must stay under supported ground at all times. True __, False__.
17. Every underground mine must have a roof control plan. True __, False__.
18. Following the roof control plan will always provide the maximum protection possible for the miner. True __, False__.
19. It is important when drilling to change the drill pattern from one drilling to the next to avoid drilling into a live charge. True __, False__.
20. Miners should watch for which of the following signs of unstable ground: a) loose bolts, b) loose material around bolt plates, c) slabbing or crushing of ribs, d) movement of fractures or slip faces, e) bulges in the mesh, f) cracks in shotcrete, g) dry spots on roof or ribs, loose material on the floor, h) all of the above.