

Excavation and Grading Handbook

1. What does RS stand for?

- a. Rate of slope
- b. Road surface
- c. Reference stake
- d. Rear station

2. What do the markings above and below the diagonal lines on a cut stake indicate?

- a. The amount of cut is above the diagonal and the distance is below
- b. Take all measurements below the diagonal from the next cut
- c. The amount of cut is above the diagonal and the fill is below
- d. none of the above

3. What other abbreviation means the same as RS?

- a. PG
- b. IS
- c. EP
- d. RP

4. If the RS distance is followed by a double line, where must the remainder of the grades and distances be established from?

- a. The surveyor's hub
- b. Grade setter's RS hub
- c. Each following cut or distance
- d. The HP

5. How much will a 2 percent slope rise or fall in 20 feet?

- a. 0.20 foot
- b. 0.30 foot
- c. 0.40 foot
- d. 0.60 foot

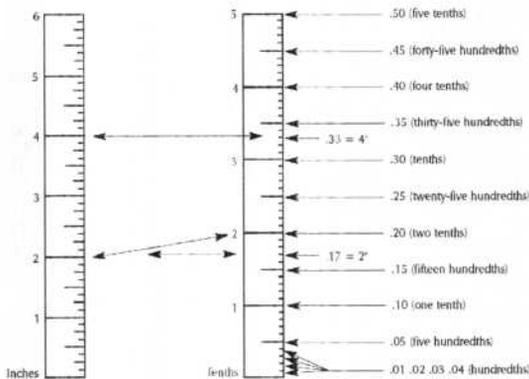
6 Where is the elevation on the side of the surveyor information stake taken from?

- a. The survey hub
- b. The centerline
- c. The reference stake
- d. The catch point

7 What does it mean to the grade setter if every distance on a surveyor's stake is followed by a double line?

- a. He must take the next grade and distance from each preceding point
- b. He must measure back to the survey hub for distance and elevation
- c. He must measure back to the survey stake for distance only
- d. It indicates that all the following measurements are cuts

8 Which of the following is equal to 4 inches?



- a. 0.16 foot
- b. 0.20 foot
- c. 0.33 foot
- d. 0.40 foot

9 What is the purpose of a second horizontal line on a fill stake located 1 foot above the finished grade?

- a. To locate the hub set by the surveyor
- b. To indicate the overfill point to the equipment operator
- c. To help the grade setter set the next fill stake
- d. To help the grade setter establish the elevation at the projected centerline grade

10 What do the west and east toe grades on a ditch channel stake indicate?

- a. The distance across the channel
- b. The amount of fill required at the base of the west and east slopes
- c. The slope of the channel from west to east
- d. The bottom of the slope on each side of the channel