

**EOC 7<sup>th</sup> Grade  
District Common Assessment KEY**

**TOTAL= 27 points**

1. B
2. B
3. A
4. B
5. D
6. D
7. D
8. C
9. B
10. D
11. A
12. A
13. B
14. A
15. D
16. C
17. B
18. C
19. D
20. D
21. C
22. C
23. A
24. D
25. B
26. A
27. B

**GRAPH KEY**

**TOTAL = 11 points**

1.  $3 + 3 + 6 = 12$ ,  $12/3 = 4$  (Points are not lost for not showing their work.)
2. IV = Amount of the Exposed Soil  
Percentage of Exposed Soil
3. DV = Soil Loss  
Average Soil Loss
4. Reasonable answers:  
Reduces chances of error  
More/multiple trials give more valid/accurate/reliable results  
Data from multiple trials can be compared to ensure validity of the investigation  
Unusual data (outliers) affects results less when averaged with more consistent data

5-9. GRAPH

- 1 pt **APPROPRIATE TITLE - RELATIONSHIP BETWEEN IV AND DV**  
The Effect of the Amount/Percentage of Soil Exposed on Soil Loss  
Average Soil Loss vs Amount/Percentage of Exposed Soil  
(1/2 pt if only DV is used..... Average Soil Loss)  
(0 pt if only IV is used)
- 1 pt **X-AXIS CORRECTLY LABELED** (1/2 credit if unit is not well defined)  
Amount of Exposed Soil (%)  
Percentage of Exposed Soil
- 1 pt **Y-AXIS CORRECTLY LABELED** (1/2 credit if unit is not well defined)  
Amount of Soil Loss (metric tons)  
Soil Loss (metric tons)
- 1 pt **APPROPRIATE NUMBER SCALE ALONG EACH AXIS** (1/2 credit - each)  
Numbers on gridlines, numbers that allow all data to be plotted,  
Consistently scaled, point of intersection must be zero
- 1 pt **DATA POINTS ARE CORRECTLY PLOTTED / CONNECTED BY LINE GRAPH**  
data points are correctly plotted  
line is neatly drawn to connect data points

10. c. The more soil exposed the more soil loss.
11. d. The farmer should plant grasses and trees on the hillside.