Erosion Math Worksheet - Answers

1. If a 12-acre forest lost ¼ of its trees due to acid rain, how many acres would be undamaged?

   12 ÷ 4 = 3
   12 - 3 = <u>9 acres</u>

2. If property damage due to erosion along the coast is $60 million each year, how much money would be spent in 4 years?

   64 x 4 = <u>$256 million</u>

3. Your favorite beach has 42 large sand dunes. Throughout the course of the year, wind erosion destroys 8 sand dunes and creates 13 new ones. How many sand dunes would there be at the end of the year?

   42 - 8 = 34

   34 + 13 = <u>47 sand dunes</u>

4. One side of a mountain is 5,280 feet long. If a glacier were to start at the very top of the mountain and travel 3 feet per year, how long would it take the glacier to reach the bottom of the mountain?

   5,280 ÷ 3 = <u>1,760 years</u>

5. On a cold day in July, you notice a new crack in the sidewalk at 10:30 a.m. At 11:13 a.m. you notice the crack has doubled in length. How much time did it take for the crack to double in length?

   <u>43 minutes</u>