**![MCj02724540000[1]]() 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 = 9 acres**

1. 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 = $256 million**

1. 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 = 47 sand dunes**

1. 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 = 1,760 years**

1. 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?

 **43 minutes**