

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Glaciers, Water and Wind, Oh My! Activity – Erosion Math Worksheet



1. If a 12-acre forest lost  $\frac{1}{4}$  of its trees due to acid rain, how many acres would be undamaged?

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

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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?

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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?

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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?

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