Student Name: ­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Who Dunnit?

**Find out who invented the cool inventions below by solving math problems.**

The answers to the “length conversions” problems in the sentences below stand for a different letter, which stands for the inventor’s name. Use the key to help you.

1. Who invented the microwave oven in 1946 as an accidental by-product of wartime? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer: About how many yards are in 9 meters?

1. Who invented toilet paper in 1857?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer: 10 inches have about how many millimeters?

1. What inventor and businessperson invented the gas mask in 1914? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer: 4 meters have about how many feet?

1. Who invented the aqualung, an underwater breathing apparatus, in 1943? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer: About how many millimeters are in 4 inches?

1. Double Bubble bubblegum was invented by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in 1906.

Answer: About how many centimeters are in 2 feet?

1. Who marketed the first Crayola crayons in 1903? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer: About how many inches are in 8 decimeters?

1. Who invented Kevlar in 1971? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer: About how many feet are in 8 meters?

1. Silly Putty was invented in 1943 by the General Electric engineer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Answer: About how many millimeters are in 7 inches?

1. Who invented the first ice-resurfacing machine in 1949? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer: About how many yards are in 6 meters?

1. Who invented the first rubber band in 1845? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer: About how many centimeters are in 5 feet?

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| --- | --- | --- |
| **KEY** | | |
| 60- Frank Fleer | 175- James Wright | 32- Binney and Smith |
| 100- Jacques Cousteau | 150-Stephen Perry | 24- Stephanie Kwolek |
| 6- Frank J. Zamboni | 250- Joseph Gayetty | 12- Garrett Morgan |
| 9-Dr. Percy Spence |  |  |

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| --- | --- |
| **Approximate Length Conversions** | |
| There are a number of approximate conversions between metric and US length units. These include: | |
| * A meter is about the same length as a yard * A meter is about three feet long * A decimeter is about four inches long | * An inch is about 25 millimeters * A foot contains about 30 centimeters * A foot contains about 3 decimeters |