

The Pigenhole Principle

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This is an inline equation: $y = mx + b$

This is a fraction : $\frac{1234}{3456}$

This is a set

$$S = \{0, 1, 2, 3, 4, 5, 6, 7\}$$

This is a ceiling:

$$\lceil \frac{111}{5} \rceil$$

This is a better ceiling:
Hello, World!

parbox16cmThis is a box line 1This is a box line 2

 |S|

- Broccoli
- Beans
- Bluebell Icecream
- Burger Buns
- Beef
- Bueno Beef
- Bowling Ball

1. Danzel Curry
2. Sza
3. Aubrey Graham
4. What? What?
5. Huachengyu

$$\begin{aligned}
 \textit{Floor}(x) &= \textit{Largest integer} \leq x \\
 \left\lfloor \frac{1,000,017}{1,000,019} \right\rfloor &\approx \lfloor 0.999 \rfloor = 0 \\
 \left\lfloor \frac{1,000,017}{1,000,019} \right\rfloor &\approx \lfloor 0.999 \rfloor = 0
 \end{aligned}
 \tag{1}$$