**PreAP Homework due Friday, September 2, 2016**

**Express each fraction or mixed number as a decimal.**

**1.**  **2.**  **3.**

**4.** 3  **5.** 8 **6.** 9

**Express each decimal as a fraction or mixed number in simplest form.**

**7.** –0.8 **8.** 0.44 **9.** 4.

|  |  |
| --- | --- |
| **Population of Florida by Race** | |
| **Race** | **Fraction of**  **Total Population** |
| Asian |  |
| African American |  |
| Hispanic |  |

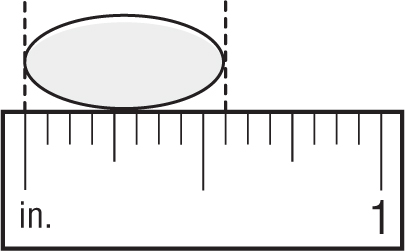
**10.** Refer to the table at the right.

**a.** Express the fraction for Asian as a decimal.

**b.** Find the decimal equivalent for the fraction of the population that is African American.

**c.** Write the fraction for Hispanic as a decimal.

**11.** Use the figure at the right.



**a.** Write the width of the jellybean as a fraction.

**b.** Write the width of the jellybean as a decimal.

**Express each expression using exponents.**

**12.** 3 • 3 • *m*  **13.**

**14.** 2 • *d* • 5 • *d* • *d* • 5 **15.** *p* • (–9) • *p* • (–9) • *p* • *q* • *q*

**Evaluate each expression.**

**16.**  **17.**  **18.**

**19.**  **20.**  **21.**

**Evaluate each expression.**

**22.** , if *r* = 5 and *s* = 4 **23.** , if *m* = 6 and *n* = 2

**24.** , if *f* = 3 and *g* = –5 **25.** , if *x* = 2 and *y* = 8

**26.** Replace with <, >, or = to make a true statement: .

**27.** Florida has about • • islands (over 10 acres). About how many islands is this?

**Express each expression using a positive exponent.**

**28.**  **29.**  **30.**  **31.**

**Evaluate each expression.**

**32.**  **33.**  **34.**  **35.**

**Express each fraction as an expression using a negative exponent.**

**36.**  **37.**  **38.**  **39.**

**Simplify. Express using positive exponents.**

**40.**  **41. 42.**  **43.**

**44.** A state highway that is miles long runs parallel to a smaller country road that is miles long. How many times longer than the country road is the state highway? Express the answer as a number with a positive exponent.