

Brett collected information from his classmates about their pets. He displayed the information about the number of pets in a circle graph.



Use the graph to answer the following questions:

- How many pets are represented in the graph?
- What fraction of the pets are birds?
- What percent of the pets are dogs?

$$3^2 = 3 \cdot 3$$

$$= 9$$

$$\sqrt{16} = 4$$

$$\sqrt{36} = 6$$

$$\begin{array}{l} 1 \times 36 \\ 2 \times 18 \\ 3 \times 12 \\ 4 \times 9 \\ \textcircled{6 \times 6} \end{array}$$

$$4 - 2\frac{2}{3}$$

$$3\frac{3}{3} - 2\frac{2}{3}$$

Diagram showing the subtraction of $2\frac{2}{3}$ from $3\frac{3}{3}$. A bracket under the whole number 3 of the first term and the whole number 2 of the second term is labeled with a 1. A bracket under the fraction $\frac{3}{3}$ of the first term and the fraction $\frac{2}{3}$ of the second term is labeled with $\frac{1}{3}$.

$$8 - 6\frac{4}{7}$$

$$7\frac{7}{7} - 6\frac{4}{7}$$

Diagram showing the subtraction of $6\frac{4}{7}$ from $7\frac{7}{7}$. A bracket under the whole number 7 of the first term and the whole number 6 of the second term is labeled with a 1. A bracket under the fraction $\frac{7}{7}$ of the first term and the fraction $\frac{4}{7}$ of the second term is labeled with $\frac{3}{7}$.

+/- Decimals

★ Align decimal

★ Add 0's as placeholders

★ Bring decimal down

$$\begin{array}{r} 4.280 \\ - .041 \\ \hline 4.239 \end{array}$$

X Decimals

★ Do not align decimal
(ignore till the end)

★ # of decimal places in factors
must equal # of decimal places
in product

$$\begin{array}{r} .287^{(3)} \\ \times .2^{(1)} \\ \hline .0574 \end{array} = 0.0574$$

$$\begin{array}{r} 1.23456789^{(9)} \\ \times .00001^{(5)} \\ \hline .0000123456789 \end{array}$$