

Stretch

Assume the weight of an average chimpanzee's brain is 400 grams. If the average hedgehog's brain weight is 0.8% of a chimp's brain weight, use benchmark percents to determine the average weight of a hedgehog's brain.

Review

1. Complete the table. Write each as a fraction, decimal, and percent.

Fraction	Decimal	Percent
$\frac{3}{100}$	0.03	3%
$\frac{150}{100}$	1.5	150%
$\frac{13}{20} \times \frac{5}{5} = \frac{65}{100}$	0.65	65%
$\frac{2}{3}$	0. $\bar{6}$	67%

2. Miss Jenn is the teacher of a preschool class at Kids Unlimited Daycare. She must split the children's time between playing and learning. For every 30 minutes, the children will spend 18 minutes playing and 12 minutes learning. Complete the table of equivalent ratios.

Total amount of time	30	90	120	240
Playing time	18	54	72	144
Learning time	12	36	48	96

3. Use the standard algorithm to determine each quotient.

a. $8302 \div 28$

$$\begin{array}{r} 296.5 \\ 28 \overline{) 8302.0} \\ \underline{-56} \\ 270 \\ \underline{-252} \\ 182 \\ \underline{-168} \\ 140 \\ \underline{-140} \\ 0 \end{array}$$

b. $39.13 \div 4.3$

$= 9.1$

$$4.3 \overline{) 39.13}$$

$$\begin{array}{r} 9.1 \\ 43 \overline{) 391.3} \\ \underline{-387} \\ 43 \\ \underline{-43} \\ 0 \end{array}$$