**Percent Practice Review Problems**

**Fraction, Decimal, Percent Conversions:**

Use the given ratio to write as a fraction, decimal, percent. Be sure to simplify the fraction ☺

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| **RATIOS** | **FRACTION (Simplify)** | **DECIMAL** | **PERCENT** |
| 3 out of 50 students play bagpipes |  |  |  |
| 5 out of 20 dogs have white spots |  |  |  |
| Student Council raised $142 out of a goal of $100 |  |  |  |

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| **RATIOS** | **FRACTION (Simplify)** | **DECIMAL** | **PERCENT** |
| 14 out of 25 students have a cat |  |  |  |
| 12 out of 16 boys like the color blue best |  |  |  |
| Mary collected $150 of her $120 fundraising goal |  |  |  |

**Percent Practice Review Problems**

**Finding Percent**

1. There were 125 ice cream cones. 75 were mint chocolate chip. What percent of the ice cream cones were mint chocolate chip? Create a tape diagram, too ☺
2. Grace has 25 dogs total. 4 of the dogs are Pugs and the rest are Golden Retrievers. What percentage of the dogs are Golden Retrievers?
3. On one of Mrs. Mayer’s math assessments Sohpia earned 26/40 and Alex earned 7/10. Who got the higher score? You should convert these fractions into percents to compare which score is better!
4. Jack sold 21/25 of his raffle tickets for the school dance. Patrick sold 38/50 of his raffle tickets. Who sold a higher percentage of their tickets?
5. Joe and Bob are mowing lawns. Joe has finished 24 out of the 60 total lawns that need to be mowed. Bob has finished 90 out of his 150 lawns. Who has a higher percentage of their lawns mowed?

**Percent Practice Review Problems**

**Finding “part”**

1. Farmer Joe ordered hay bales that were 60% off. If the original price was $80, how much did he save? Create a tape diagram, too ☺
2. Ivy is buying a pair of boots that are 20% off. If the original price is $115, how much does she save with the discount?
3. Betsy got a manicure for 15% off. If the manicure originally cost $20, how much did she save with the discount?
4. Danny worked at a pet store. There were 15 cats at the beginning of the day, but 40% of the cats were sold throughout the day. *How many cats were left* when the pet store closed?
5. Calo set a goal of eating 500 hot dogs this year. If he has reached 90% of his goal, how many hot dogs does he need to eat before New Year’s Eve?

**Percent Practice Review Problems**

**Finding “whole”**

1. 25% of All Star students plan to attend the Indians’ game in May. If 26 students are attending the game, how many total students are on the team? Create a tape diagram ☺
2. 70% of sixth graders play sports. If 175 sixth graders play sports, how many total students are in the sixth grade?
3. Betsy ate 24 donut holes for breakfast this morning. If this was 15% of the donuts, what was the total number of donut holes?
4. 126 of the sheep on the farm had eaten. If this number represents 42% of the sheep, how many total sheep are on the farm?
5. Lucy was going to the animal shelter to get a new kitten! There were six kittens, which represented 30% of the animals in the shelter. How many animals total were in the shelter?

**Percent Practice Review Problems**

**Percent Word Problems- “Sale Price” problems**

1. Mr. Carlson *paid* $126 for a hp laptop after his discount. Mr. Carlson used a 40% discount. What was the original price of the hp laptop?
2. Falyn wanted to buy a stuffed animal owl for Annalese.  Falyn *paid* $34 *after* a 15% discount.  What was the original price of the owl?
3. The sale price of a unicorn is $350 *after* a 75% discount. What was the original price of the unicorn?
4. Bob *paid* $56 *after* a 30% discount for a LeBron James jersey. What was the original price of the jersey?
5. Stephanie *paid* $63 *after* a 25% discount for a new dress to wear to her holiday party. What was the original price of the dress?