

Name: _____

7R Percents

- 1) I have watched 65% of the ELF movie what percent do I have left to watch?
A) 35% B) 100% C) 45% D) 165%
- 2) A percent proportion always includes what number?
A) 100 B) 50 C) 1 D) 10
- 3) A percent of change problem will use one of the following words:
A) is B) money C) markdown D) total
- 4) What is 5 out of 10 as a percent?
A) 5% B) 50% C) .5% D) 500%
- 5) There are 31 days in the month of December. We have 16 days off in the month of December. Which percent proportion could be used to find the percent of the month that we are **in** school (not off)?
A) $\frac{16}{47} = \frac{x}{100}$ B) $\frac{15}{31} = \frac{x}{100}$ C) $\frac{x}{31} = \frac{15}{100}$ D) $\frac{16}{31} = \frac{x}{100}$

6 – 20 For Full Credit Show all work. Set up a proportion and solve.

- 6) What is 70% of 90? 7) 44 is what percent of 50?
- 8) 55 is 25% of what number? 9) 16.5 is what percent of 26.4?

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For #10 – 11, A Box of candy canes has 7 green and 3 red:

- 10) What percentage are green? 11) What percentage are red?

- 12) Yesterday, the Buddy the elf made 52 presents. Today he made 42 presents.
What is the percent **decrease** in the production of presents he made? *(To the nearest percent)*
- 13) Santa's delivery rate went from 18 presents delivered per minute to 22 presents delivered per minute. What was the percent **increase** in his presents delivered per minute?
- 14) Buddy and his Step-brother Michael are in a snowball fight! They get hit by 85% of the snowballs. If there were 200 snowballs thrown, how many were they hit by?
- 15) Continued from #14. How many were they **NOT** hit by?
- 16) Sally received a holiday bonus that was 30% of monthly earnings. If her monthly earnings were \$930, how much was Sally's bonus?
- 17) Kia bought an item for \$5.00. She plans to sell the item for \$12 on ebay. What is her percent **markup**?
- 18) Ming Ming was not very happy with Buddy's performance on his toy production. Buddy made 85 Etch-A-Sketch toys. He was supposed to make 1000. What percent of Etch-A-Sketches **are left** to complete?
- 19) When Buddy gets on the elevator only 4 floors are lit up out of 79 floors before Buddy pushes them all!
What percentage of floors are lit up? *(To the nearest percent)*
- 20) While waiting to get his finger pricked in the doctor's office, Buddy eats 3 cotton balls out of the 48 that are in the jar. What percentage has Buddy **NOT** eaten?