

**Solve each problem.****Answers**

- 1) A video uploaded had 18 'up votes'. If the ratio of 'up votes' to 'down votes' was $9 : 2$, how many 'down votes' did the video get?
- 2) A pet store sold 35 siamese cats. If the ratio of siamese cats to house cats sold was $7 : 3$, what is the combined amount of cats sold?
- 3) A chess player played 56 games total. If he won 20 of the games, what is the ratio of games he lost to games he won?
- 4) At a farm the ratio of cows to horses was $9 : 8$. If there were 45 cows at the farm, how many horses were there?
- 5) A student finished 45 of her homework problems in class. If the ratio of problems she finished to problems she still had left was $9 : 4$, how many homework problems did she have total?
- 6) A fast food restaurant sells two sizes of fries, small and large. On Friday they sold 24 fries total. If 4 of the fries sold were small, what is the ratio of large fries sold to small fries sold?
- 7) A recipe called for the ratio of sugar to flour to be $8 : 7$. If you used 48 ounce of sugar, how many ounces of flour would you need to use?
- 8) A fast food restaurant sold 64 burgers with cheese. If the ratio of burgers sold with cheese compared to without cheese was $8 : 5$, how many burgers did they sell total?
- 9) A parking lot has 27 spaces total. If 9 of the spaces have cars in them, what is the ratio of empty spaces to filled spaces?
- 10) During a race Gwen jogged for 15 minutes. If the ratio of time she jogged to time she walked was $5 : 3$, how many minutes did Gwen walk?

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7. _____
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10. _____