

**Solve each problem.**

- 1) A recipe called for the ratio of sugar to flour to be 5 : 1. If you used 35 ounce of sugar, how many ounces of flour would you need to use?
- 2) A teacher had 21 red pens. If the ratio of red pens to blue pens she owned was 3 : 1, how many pens did she have total?
- 3) A chess player played 20 games total. If he won 2 of the games, what is the ratio of games he lost to games he won?
- 4) At a pet store the ratio of cats to dogs sold was 10 : 1. If there were 60 cats that were sold, how many dogs were sold?
- 5) At a restaurant the ratio of kids meals sold to adult meals sold was 5 : 4. If there were 20 kids meals sold, what is the combined amount of kids and adult meals sold?
- 6) A student bought 34 pencils for school. If he sharpened 16 of the pencils before school, what is his ratio of unsharpened pencils to sharpened pencils?
- 7) A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 8 : 3. If the buffet uses 72 cases of ranch dressing, how many cases of caesar do they use?
- 8) A student finished 72 of her homework problems in class. If the ratio of problems she finished to problems she still had left was 8 : 1, how many homework problems did she have total?
- 9) At a carnival Cody bought 15 tickets. If he used 6 tickets trying to win the ring toss game, what is the ratio of tickets he has to tickets he's used?
- 10) At a farm the ratio of cows to horses was 10 : 3. If there were 20 cows at the farm, how many horses were there?

**Answers**

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