Lesson 3.1 Understanding Ratios

A **ratio** compares 2 numbers. When written out, several phrases can show how the ratio should be written.

4 to 2	4:2	$\frac{4}{2}$ or $\frac{2}{1}$
6 out of 8	6:8	$\frac{6}{8}$ or $\frac{3}{4}$

Express each ratio as a fraction in simplest form.

	a	b
1.	15 feet out of 36 feet _____	5 pounds to 35 pounds _____
2.	48 rainy days out of 60 days _____	28 snow days out of 49 days _____
3.	10 pints to 20 pints _____	40 cups to 55 cups _____
4.	10 miles out of 12 miles _____	28 red bikes out of 40 bikes _____
5.	18 beetles out of 72 insects _____	63 gallons to 84 gallons _____
6.	49 dimes out of 77 coins _____	12 cakes out of 36 cakes _____
7.	15 students out of 30 students _____	3 floors out of 18 floors _____
8.	36 meters out of 100 meters _____	14 hats out of 20 accessories _____
9.	80 scores out of 90 scores _____	2 sports out of 19 sports _____
10.	42 cars out of 124 cars _____	7 messages out of 84 messages _____