

- 1) The tennis court has 17 neon-orange balls to 51 neon-green balls. What is the ratio of orange to green in simplest form?

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- a)  $\frac{1}{5}; 0.2$
- b)  $\frac{1}{4}; 0.25$
- c)  $\frac{1}{3}; 0.\bar{3}$
- d)  $\frac{17}{51}; 0.\bar{3}$

- 2) A bouquet has 5 roses and 35 other types of flowers. What is the ratio of roses to other flowers in simplest form?

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- a)  $\frac{7}{28}; 4.0$
- b)  $\frac{5}{35}; 0.14$
- c)  $\frac{1}{7}; 0.14$
- d)  $\frac{1}{4}; 0.25$

3) Express  $\frac{232 \text{ shots}}{4 \text{ quarters}}$  as a unit rate.

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a)  $\frac{4 \text{ shots}}{1 \text{ quarter}}$

b)  $\frac{77 \text{ shots}}{1 \text{ quarter}}$

c)  $\frac{56 \text{ shots}}{1 \text{ quarter}}$

d)  $\frac{58 \text{ shots}}{1 \text{ quarter}}$

4) It takes a worker 70 minutes to pack 120 cartons of books. The worker has 14 minutes of work left. Use a ratio table to determine how many cartons of books the worker can pack in 14 minutes.

<i>cartons of books</i>	12		120		
<i>minutes</i>		14	70		

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a)  $\frac{24 \text{ books}}{14 \text{ minutes}}$

b)  $\frac{120 \text{ books}}{70 \text{ minutes}}$

c)  $\frac{14 \text{ books}}{24 \text{ minutes}}$

d)  $\frac{12 \text{ books}}{14 \text{ minutes}}$

- 5) On a typical day, flights at a local airport arrive at a rate of 10 flights every 15 minutes. At this rate, how many flights would you expect to arrive in an hour? (Hint...be careful about minutes vs. hours)

<i>flights</i>					
<i>minutes</i>					

- a)  $\frac{10 \text{ flights}}{60 \text{ minutes}}$
- b)  $\frac{2 \text{ flights}}{3 \text{ minutes}}$
- c)  $\frac{40 \text{ flights}}{60 \text{ minutes}}$
- d)  $\frac{60 \text{ flights}}{1 \text{ hour}}$