

**Practice  
11-1****Unit Rates**

1. A box of dried fruit has 36 calories in 3 servings. How many calories are there per serving?
2. In a week, 20 hens laid 80 eggs. What is the unit rate for eggs per hen?
3. A 15-pound bag of wildflower seed covers 40 square feet. How many pounds of seed does it take to cover 1 square foot?
4. An animal gained 6 pounds steadily over 12 years. What is the unit rate of pounds per year?
5. A plant grew 19 inches over 5 months. The plant grows the same amount each month. Use this rate to complete the table.

Month	Growth (inches)
1	_____
2	_____
3	_____
4	_____
5	19
6	_____

6. A migrating bird flies 420 miles in 14 hours. How many miles does it fly in 5 hours?
7. **a) Writing** Exactly 240 years ago, students planted a tree in front of their school. Since then, the tree has grown 30 meters taller, and the distance around the trunk has increased by 3 meters. Describe how you can use this information to find at least two different unit rates.  
**b)** Find the unit rate for the increase in the tree's trunk.

1. 12
2. 4
3. 0.375
4. 0.5
5. 3.8  
7.6  
11.4  
15.2  
22.8
6. 150
7. a) Answers will vary  
b) 0.0125 m/yr
8. a) Answers will vary  
b) 36  
72  
108  
504  
756  
c) 3 gallons
9.  $\frac{1 \text{ minute}}{72 \text{ words}}$   
The order of the terms are reversed compared to the given rate.
10. 693
11. 0.2 mm per year
12. a) Answers will vary  
b) 16
13.  $\frac{369 \text{ flaws}}{9 \text{ square meters}}$
14. a) D  
b) 5.5  
38.5  
77  
165
15. a) Answers will vary  
b)  $\frac{3 \text{ parking spaces}}{8 \text{ customers}}$