

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

### Rates and Ratios 2

1. The ratio of goldfish to gallons of water is 9 to 4.

a. For every \_\_\_\_\_ goldfish, there are \_\_\_\_\_ gallons of water.

b. Fill in the table.

Fish	Gallons of Water
9	4
18	

c. How many goldfish can you get if you have 12 gallons of water?

d. How many gallons of water do you need to keep 36 fish?

2. The price of oranges is 4 for \$3.00.

a. For every \_\_\_\_\_ oranges, you pay \_\_\_\_\_.

b. Fill in the table.

Oranges	\$
4	3
8	

c. How much do you pay for 24 oranges?

d. How many apples can you buy for \$15?

3. You are taking a test in science. For every 3 questions, you have 5 minutes.  
a. Fill in the table.

Questions	Time (minutes)
3	5
6	

- b. If you have 30 questions, how much time do you have to take the test?
- c. If you have 21 questions, how much time do you have to take the test?
- d. If the test is 20 minutes long, how many questions do you have?
- e. If the test is 30 minutes long, how many questions do you have?
4. You are taking a test for your math class. You have 10 questions and 10 minutes,  
a. How much time do you have for 1 question?
- b. How much time do you have for 2 questions?
- c. How much time do you have for 7 questions?

5. You are taking a test for your English class. You have 20 minutes and 10 questions.  
a. Fill in the table.

Questions	Time (minutes)
10	20
9	
8	
7	
6	
5	
4	
3	
2	
1	

- b. How much time do you have for 10 questions?
- c. How much time do you have for 5 questions?
- d. How much time do you have for 2 questions?
- e. How much time do you have for 1 question?
6. 15 cars enter the mall parking lot every 5 minutes.
- a. How many cars enter the parking lot in 10 minutes?
- b. How many cars enter the parking lot in 25 minutes?
- c. Circle the correct answer. What is the fast way to get the answers?  
Multiply                      Divide
7. 15 cars enter the mall parking lot every 5 minutes.
- a. How many cars enter the parking lot in 1 minute?
- b. How many cars enter the parking lot in 2 minutes?
- c. How many cars enter the parking lot in 3 minutes?
- d. How many cars enter the parking lot in 4 minutes?
- e. Circle the correct answer. What is the fast way to get the answers?  
Multiply                      Divide

Name \_\_\_\_\_ ANSWER KEY \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

## Rates and Ratios 2

1. The ratio of goldfish to gallons of water is 9 to 4.

a. For every 9 goldfish, there are 4 gallons of water.

b. Fill in the table.

Fish	Gallons of Water
9	4
18	<b>8</b>
<b>27</b>	<b>12</b>
<b>36</b>	<b>16</b>
<b>45</b>	<b>20</b>
<b>54</b>	<b>24</b>

c. How many goldfish can you get if you have 12 gallons of water? **27 fish**

d. How many gallons of water do you need to keep 36 fish? **16 gallons**

2. The price of oranges is 4 for \$3.00.

a. For every 4 oranges, you pay \$3.00.

b. Fill in the table.

Oranges	\$
4	3
8	<b>6</b>
<b>12</b>	<b>9</b>
<b>16</b>	<b>12</b>
<b>20</b>	<b>15</b>
<b>24</b>	<b>18</b>

c. How much do you pay for 24 oranges? **\$18.00**

d. How many apples can you buy for \$15? **20 apples**

3. You are taking a test in science. For every 3 questions, you have 5 minutes.  
a. Fill in the table.

Questions	Time (minutes)
3	5
6	<b>10</b>
<b>9</b>	<b>15</b>
<b>12</b>	<b>20</b>
<b>15</b>	<b>25</b>
<b>18</b>	<b>30</b>
<b>21</b>	<b>35</b>
<b>24</b>	<b>40</b>
<b>27</b>	<b>45</b>
<b>30</b>	<b>50</b>
<b>33</b>	<b>55</b>

- b. If you have 30 questions, how much time do you have to take the test?  
**50 minutes**
- c. If you have 21 questions, how much time do you have to take the test?  
**35 minutes**
- d. If the test is 20 minutes long, how many questions do you have?  
**12 questions**
- e. If the test is 30 minutes long, how many questions do you have?  
**18 questions**
4. You are taking a test for your math class. You have 10 questions and 10 minutes,  
a. How much time do you have for 1 question?  
**1 minute**
- b. How much time do you have for 2 questions?  
**2 minutes**
- c. How much time do you have for 7 questions?  
**7 minutes**

5. You are taking a test for your English class. You have 20 minutes and 10 questions.  
a. Fill in the table.

Questions	Time (minutes)
10	20
9	<b>18</b>
8	<b>16</b>
7	<b>14</b>
6	<b>12</b>
5	<b>10</b>
4	<b>8</b>
3	<b>6</b>
2	<b>4</b>
1	<b>2</b>

- b. How much time do you have for 10 questions? **20 minutes**
- c. How much time do you have for 5 questions? **10 minutes**
- d. How much time do you have for 2 questions? **4 minutes**
- e. How much time do you have for 1 question? **2 minutes**
6. 15 cars enter the mall parking lot every 5 minutes.
- a. How many cars enter the parking lot in 10 minutes? **30 cars**
- b. How many cars enter the parking lot in 25 minutes? **75 cars**
- c. Circle the correct answer. What is the fast way to get the answers?  
**Multiply**                      Divide
7. 15 cars enter the mall parking lot every 5 minutes.
- a. How many cars enter the parking lot in 1 minute? **3 cars**
- b. How many cars enter the parking lot in 2 minutes? **6 cars**
- c. How many cars enter the parking lot in 3 minutes? **9 cars**
- d. How many cars enter the parking lot in 4 minutes? **12 cars**
- e. Circle the correct answer. What is the fast way to get the answers?  
Multiply                      **Divide**