Determining if a quantity is increased or decreased when multiplied by a fraction: Worksheet 6.3

Name .... Date .... Score ....

1. Multiply 4 × 1/5 and determine if the number is decreased/increased/same on multiplying by the fraction.

2. Multiply 7 × 3/3 and determine if the number is decreased/increased/same on multiplying by the fraction.

3. Multiply 2 × 5/2 and determine if the number is decreased/increased/same on multiplying by the fraction.

4. Multiply 2 × 2/5 and determine if the number is decreased/increased/same on multiplying by the fraction.

5. Multiply 3 × 5/5 and determine if the number is decreased/increased/same on multiplying by the fraction.

6. Multiply 2 × 5/3 and determine if the number is decreased/increased/same on multiplying by the fraction.

7. Multiply 7 × 1/4 and determine if the number is decreased/increased/same on multiplying by the fraction.

8. Multiply 2 × 6/6 and determine if the number is decreased/increased/same on multiplying by the fraction.

9. Multiply 7 × 4/3 and determine if the number is decreased/increased/same on multiplying by the fraction.

10. Multiply 5 × 2/7 and determine if the number is decreased/increased/same on multiplying by the fraction.

1. The number is decreased on being multiplied by the fraction as 4/5 < 4

2. The number remains same on being multiplied by the fraction as 3/3 = 1 and 7 × 1 = 7

3. The number is increased on being multiplied by the fraction as 5 > 2

4. The number is decreased on being multiplied by the fraction as 4/5 < 2

5. The number remains same on being multiplied by the fraction as 5/5 = 1 and 3 × 1 = 3

6. The number is increased on being multiplied by the fraction as 10/3 > 2

7. The number is decreased on being multiplied by the fraction as 7/4 < 7

8. The number remains same on being multiplied by the fraction as 6/6 = 1 and 2 × 1 = 2

9. The number is increased on being multiplied by the fraction as 28/3 > 7

10. The number is decreased on being multiplied by the fraction as 10/7 < 5