Determining if a quantity is increased or decreased when multiplied by a fraction: Worksheet 6.1

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

1. Multiply 2 × 1/5 and determine if the number is decreased/increased/same on multiplying by the fraction.

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

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

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

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

6. Multiply 4 × 5/3 and determine if the number is decreased/increased/same on multiplying by the fraction.

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

8. Multiply 7 × 6/6 and determine if the number is decreased/increased/same on multiplying by the fraction.

9. Multiply 5 × 4/3 and determine if the number is decreased/increased/same on multiplying by the fraction.

10. Multiply 8 × 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 2/5 < 2

2. The number remains same on being multiplied by the fraction as 3/3 = 1
    and 4 × 1 = 4

3. The number is increased on being multiplied by the fraction as 15/2 > 3

4. The number is decreased on being multiplied by the fraction as 6/5 < 3

5. The number remains same on being multiplied by the fraction as 5/5 = 1
    and 6 × 1 = 6

6. The number is increased on being multiplied by the fraction as 20/3 > 4

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

8. The number remains same on being multiplied by the fraction as 6/6 = 1
    and 7 × 1 = 7

9. The number is increased on being multiplied by the fraction as 20/3 > 5

10. The number is decreased on being multiplied by the fraction as 16/7 < 8