

Determining if a quantity is increased or decreased when multiplied by a fraction: Worksheet 6.2

Name Date Score

1. Multiply $3 \times \frac{1}{5}$ and determine if the number is decreased/increased/same on multiplying by the fraction.
2. Multiply $5 \times \frac{3}{3}$ and determine if the number is decreased/increased/same on multiplying by the fraction.
3. Multiply $5 \times \frac{5}{2}$ and determine if the number is decreased/increased/same on multiplying by the fraction.
4. Multiply $4 \times \frac{2}{5}$ and determine if the number is decreased/increased/same on multiplying by the fraction.
5. Multiply $4 \times \frac{5}{5}$ and determine if the number is decreased/increased/same on multiplying by the fraction.
6. Multiply $3 \times \frac{5}{3}$ and determine if the number is decreased/increased/same on multiplying by the fraction.
7. Multiply $3 \times \frac{1}{4}$ and determine if the number is decreased/increased/same on multiplying by the fraction.
8. Multiply $5 \times \frac{6}{6}$ and determine if the number is decreased/increased/same on multiplying by the fraction.
9. Multiply $4 \times \frac{4}{3}$ and determine if the number is decreased/increased/same on multiplying by the fraction.
10. Multiply $6 \times \frac{2}{7}$ and determine if the number is decreased/increased/same on multiplying by the fraction.



Solutions: Worksheet 6.2

1. The number is decreased on being multiplied by the fraction as $\frac{3}{5} < 3$
2. The number remains same on being multiplied by the fraction as $\frac{3}{3} = 1$
and $5 \times 1 = 5$
3. The number is increased on being multiplied by the fraction as $\frac{25}{2} > 5$
4. The number is decreased on being multiplied by the fraction as $\frac{8}{5} < 4$
5. The number remains same on being multiplied by the fraction as $\frac{5}{5} = 1$
and $4 \times 1 = 4$
6. The number is increased on being multiplied by the fraction as $5 > 3$
7. The number is decreased on being multiplied by the fraction as $\frac{3}{4} < 3$
8. The number remains same on being multiplied by the fraction as $\frac{6}{6} = 1$
and $5 \times 1 = 5$
9. The number is increased on being multiplied by the fraction as $\frac{16}{3} > 4$
10. The number is decreased on being multiplied by the fraction as $\frac{12}{7} < 6$

