Name: _____ Date: _____

Multiplication as Scaling

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 10 of 10

Do not multiply! Decide by looking at the fraction. Multiplying by a fraction less than 1 makes a number smaller, by a fraction greater than 1 makes it bigger, and by a fraction equal to 1 keeps it the same. Write greater than, less than or equal to.

1. 5/6 × 42 is (greater than / less than / equal to) 42.

   Answer: _____

2. 8 × 10/10 is (greater than / less than / equal to) 8.

   Answer: _____

3. 1 1/2 × 47 is (greater than / less than / equal to) 47.

   Answer: _____

4. 19 × 1 3/4 is (greater than / less than / equal to) 19.

   Answer: _____

5. 7/10 × 15 is (greater than / less than / equal to) 15.

   Answer: _____

6. 1/5 × 10 is (greater than / less than / equal to) 10.

   Answer: _____

7. 3/4 × 28 is (greater than / less than / equal to) 28.

   Answer: _____

8. 44 × 1 1/4 is (greater than / less than / equal to) 44.

   Answer: _____

9. 5/8 × 22 is (greater than / less than / equal to) 22.

   Answer: _____

10. 2 1/4 × 46 is (greater than / less than / equal to) 46.

    Answer: _____

11. 38 × 2/2 is (greater than / less than / equal to) 38.

    Answer: _____

12. 48 × 4/5 is (greater than / less than / equal to) 48.

    Answer: _____

13. 45 × 3/3 is (greater than / less than / equal to) 45.

    Answer: _____

14. 2 4/5 × 47 is (greater than / less than / equal to) 47.

    Answer: _____

Multiplication as Scaling - ANSWER KEY

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 10 of 10

Do not multiply! Decide by looking at the fraction. Multiplying by a fraction less than 1 makes a number smaller, by a fraction greater than 1 makes it bigger, and by a fraction equal to 1 keeps it the same. Write greater than, less than or equal to.

1. 5/6 × 42 is (greater than / less than / equal to) 42.

   Answer: **less than**

2. 8 × 10/10 is (greater than / less than / equal to) 8.

   Answer: **equal to**

3. 1 1/2 × 47 is (greater than / less than / equal to) 47.

   Answer: **greater than**

4. 19 × 1 3/4 is (greater than / less than / equal to) 19.

   Answer: **greater than**

5. 7/10 × 15 is (greater than / less than / equal to) 15.

   Answer: **less than**

6. 1/5 × 10 is (greater than / less than / equal to) 10.

   Answer: **less than**

7. 3/4 × 28 is (greater than / less than / equal to) 28.

   Answer: **less than**

8. 44 × 1 1/4 is (greater than / less than / equal to) 44.

   Answer: **greater than**

9. 5/8 × 22 is (greater than / less than / equal to) 22.

   Answer: **less than**

10. 2 1/4 × 46 is (greater than / less than / equal to) 46.

    Answer: **greater than**

11. 38 × 2/2 is (greater than / less than / equal to) 38.

    Answer: **equal to**

12. 48 × 4/5 is (greater than / less than / equal to) 48.

    Answer: **less than**

13. 45 × 3/3 is (greater than / less than / equal to) 45.

    Answer: **equal to**

14. 2 4/5 × 47 is (greater than / less than / equal to) 47.

    Answer: **greater than**