Name: _____ Date: _____

Multiplication as Scaling

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 6 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. 36 × 21/10 is (greater than / less than / equal to) 36.

   Answer: _____

2. 21 × 1/3 is (greater than / less than / equal to) 21.

   Answer: _____

3. 11 × 7/3 is (greater than / less than / equal to) 11.

   Answer: _____

4. 32 × 1 5/8 is (greater than / less than / equal to) 32.

   Answer: _____

5. 3/5 × 35 is (greater than / less than / equal to) 35.

   Answer: _____

6. 37 × 3/5 is (greater than / less than / equal to) 37.

   Answer: _____

7. 3/4 × 22 is (greater than / less than / equal to) 22.

   Answer: _____

8. 30 × 17/8 is (greater than / less than / equal to) 30.

   Answer: _____

9. 21 × 10/10 is (greater than / less than / equal to) 21.

   Answer: _____

10. 32 × 6/6 is (greater than / less than / equal to) 32.

    Answer: _____

11. 2 1/5 × 34 is (greater than / less than / equal to) 34.

    Answer: _____

12. 3/3 × 14 is (greater than / less than / equal to) 14.

    Answer: _____

13. 18 × 1/10 is (greater than / less than / equal to) 18.

    Answer: _____

14. 43 × 1/10 is (greater than / less than / equal to) 43.

    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 6 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. 36 × 21/10 is (greater than / less than / equal to) 36.

   Answer: **greater than**

2. 21 × 1/3 is (greater than / less than / equal to) 21.

   Answer: **less than**

3. 11 × 7/3 is (greater than / less than / equal to) 11.

   Answer: **greater than**

4. 32 × 1 5/8 is (greater than / less than / equal to) 32.

   Answer: **greater than**

5. 3/5 × 35 is (greater than / less than / equal to) 35.

   Answer: **less than**

6. 37 × 3/5 is (greater than / less than / equal to) 37.

   Answer: **less than**

7. 3/4 × 22 is (greater than / less than / equal to) 22.

   Answer: **less than**

8. 30 × 17/8 is (greater than / less than / equal to) 30.

   Answer: **greater than**

9. 21 × 10/10 is (greater than / less than / equal to) 21.

   Answer: **equal to**

10. 32 × 6/6 is (greater than / less than / equal to) 32.

    Answer: **equal to**

11. 2 1/5 × 34 is (greater than / less than / equal to) 34.

    Answer: **greater than**

12. 3/3 × 14 is (greater than / less than / equal to) 14.

    Answer: **equal to**

13. 18 × 1/10 is (greater than / less than / equal to) 18.

    Answer: **less than**

14. 43 × 1/10 is (greater than / less than / equal to) 43.

    Answer: **less than**