Name: _____ Date: _____

Multiplication as Scaling

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 1 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. 1/3 × 31 is (greater than / less than / equal to) 31.

   Answer: _____

2. 44 × 1 3/4 is (greater than / less than / equal to) 44.

   Answer: _____

3. 2/2 × 22 is (greater than / less than / equal to) 22.

   Answer: _____

4. 26 × 11/4 is (greater than / less than / equal to) 26.

   Answer: _____

5. 38 × 4/4 is (greater than / less than / equal to) 38.

   Answer: _____

6. 1 2/3 × 11 is (greater than / less than / equal to) 11.

   Answer: _____

7. 8/8 × 35 is (greater than / less than / equal to) 35.

   Answer: _____

8. 1/4 × 38 is (greater than / less than / equal to) 38.

   Answer: _____

9. 7/8 × 13 is (greater than / less than / equal to) 13.

   Answer: _____

10. 42 × 7/10 is (greater than / less than / equal to) 42.

    Answer: _____

11. 3/4 × 24 is (greater than / less than / equal to) 24.

    Answer: _____

12. 9 × 2/5 is (greater than / less than / equal to) 9.

    Answer: _____

13. 47 × 7/4 is (greater than / less than / equal to) 47.

    Answer: _____

14. 9/8 × 6 is (greater than / less than / equal to) 6.

    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 1 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. 1/3 × 31 is (greater than / less than / equal to) 31.

   Answer: **less than**

2. 44 × 1 3/4 is (greater than / less than / equal to) 44.

   Answer: **greater than**

3. 2/2 × 22 is (greater than / less than / equal to) 22.

   Answer: **equal to**

4. 26 × 11/4 is (greater than / less than / equal to) 26.

   Answer: **greater than**

5. 38 × 4/4 is (greater than / less than / equal to) 38.

   Answer: **equal to**

6. 1 2/3 × 11 is (greater than / less than / equal to) 11.

   Answer: **greater than**

7. 8/8 × 35 is (greater than / less than / equal to) 35.

   Answer: **equal to**

8. 1/4 × 38 is (greater than / less than / equal to) 38.

   Answer: **less than**

9. 7/8 × 13 is (greater than / less than / equal to) 13.

   Answer: **less than**

10. 42 × 7/10 is (greater than / less than / equal to) 42.

    Answer: **less than**

11. 3/4 × 24 is (greater than / less than / equal to) 24.

    Answer: **less than**

12. 9 × 2/5 is (greater than / less than / equal to) 9.

    Answer: **less than**

13. 47 × 7/4 is (greater than / less than / equal to) 47.

    Answer: **greater than**

14. 9/8 × 6 is (greater than / less than / equal to) 6.

    Answer: **greater than**