Name: _____ Date: _____

Multiplication as Scaling

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 4 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. 5/2 × 15 is (greater than / less than / equal to) 15.

   Answer: _____

2. 25 × 11/10 is (greater than / less than / equal to) 25.

   Answer: _____

3. 7/10 × 9 is (greater than / less than / equal to) 9.

   Answer: _____

4. 5/6 × 36 is (greater than / less than / equal to) 36.

   Answer: _____

5. 34 × 4/4 is (greater than / less than / equal to) 34.

   Answer: _____

6. 2/5 × 20 is (greater than / less than / equal to) 20.

   Answer: _____

7. 30 × 2 5/6 is (greater than / less than / equal to) 30.

   Answer: _____

8. 45 × 1 3/4 is (greater than / less than / equal to) 45.

   Answer: _____

9. 9 × 2 1/4 is (greater than / less than / equal to) 9.

   Answer: _____

10. 4/5 × 46 is (greater than / less than / equal to) 46.

    Answer: _____

11. 3/8 × 12 is (greater than / less than / equal to) 12.

    Answer: _____

12. 1/10 × 47 is (greater than / less than / equal to) 47.

    Answer: _____

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

    Answer: _____

14. 45 × 6/6 is (greater than / less than / equal to) 45.

    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 4 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. 5/2 × 15 is (greater than / less than / equal to) 15.

   Answer: **greater than**

2. 25 × 11/10 is (greater than / less than / equal to) 25.

   Answer: **greater than**

3. 7/10 × 9 is (greater than / less than / equal to) 9.

   Answer: **less than**

4. 5/6 × 36 is (greater than / less than / equal to) 36.

   Answer: **less than**

5. 34 × 4/4 is (greater than / less than / equal to) 34.

   Answer: **equal to**

6. 2/5 × 20 is (greater than / less than / equal to) 20.

   Answer: **less than**

7. 30 × 2 5/6 is (greater than / less than / equal to) 30.

   Answer: **greater than**

8. 45 × 1 3/4 is (greater than / less than / equal to) 45.

   Answer: **greater than**

9. 9 × 2 1/4 is (greater than / less than / equal to) 9.

   Answer: **greater than**

10. 4/5 × 46 is (greater than / less than / equal to) 46.

    Answer: **less than**

11. 3/8 × 12 is (greater than / less than / equal to) 12.

    Answer: **less than**

12. 1/10 × 47 is (greater than / less than / equal to) 47.

    Answer: **less than**

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

    Answer: **equal to**

14. 45 × 6/6 is (greater than / less than / equal to) 45.

    Answer: **equal to**