Name: _____ Date: _____

Multiplication as Scaling

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 9 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. 6 × 1/2 is (greater than / less than / equal to) 6.

   Answer: _____

2. 1/2 × 17 is (greater than / less than / equal to) 17.

   Answer: _____

3. 40 × 6/6 is (greater than / less than / equal to) 40.

   Answer: _____

4. 48 × 6/6 is (greater than / less than / equal to) 48.

   Answer: _____

5. 14 × 2/3 is (greater than / less than / equal to) 14.

   Answer: _____

6. 12 × 2 9/10 is (greater than / less than / equal to) 12.

   Answer: _____

7. 13 × 1 5/6 is (greater than / less than / equal to) 13.

   Answer: _____

8. 3/5 × 31 is (greater than / less than / equal to) 31.

   Answer: _____

9. 38 × 1/6 is (greater than / less than / equal to) 38.

   Answer: _____

10. 42 × 1/3 is (greater than / less than / equal to) 42.

    Answer: _____

11. 3/3 × 18 is (greater than / less than / equal to) 18.

    Answer: _____

12. 11/4 × 33 is (greater than / less than / equal to) 33.

    Answer: _____

13. 11/10 × 48 is (greater than / less than / equal to) 48.

    Answer: _____

14. 11/6 × 10 is (greater than / less than / equal to) 10.

    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 9 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. 6 × 1/2 is (greater than / less than / equal to) 6.

   Answer: **less than**

2. 1/2 × 17 is (greater than / less than / equal to) 17.

   Answer: **less than**

3. 40 × 6/6 is (greater than / less than / equal to) 40.

   Answer: **equal to**

4. 48 × 6/6 is (greater than / less than / equal to) 48.

   Answer: **equal to**

5. 14 × 2/3 is (greater than / less than / equal to) 14.

   Answer: **less than**

6. 12 × 2 9/10 is (greater than / less than / equal to) 12.

   Answer: **greater than**

7. 13 × 1 5/6 is (greater than / less than / equal to) 13.

   Answer: **greater than**

8. 3/5 × 31 is (greater than / less than / equal to) 31.

   Answer: **less than**

9. 38 × 1/6 is (greater than / less than / equal to) 38.

   Answer: **less than**

10. 42 × 1/3 is (greater than / less than / equal to) 42.

    Answer: **less than**

11. 3/3 × 18 is (greater than / less than / equal to) 18.

    Answer: **equal to**

12. 11/4 × 33 is (greater than / less than / equal to) 33.

    Answer: **greater than**

13. 11/10 × 48 is (greater than / less than / equal to) 48.

    Answer: **greater than**

14. 11/6 × 10 is (greater than / less than / equal to) 10.

    Answer: **greater than**