Name: _____ Date: _____

Multiplication as Scaling

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 5 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. 33 × 1/2 is (greater than / less than / equal to) 33.

   Answer: _____

2. 2/5 × 29 is (greater than / less than / equal to) 29.

   Answer: _____

3. 5/2 × 44 is (greater than / less than / equal to) 44.

   Answer: _____

4. 2/5 × 17 is (greater than / less than / equal to) 17.

   Answer: _____

5. 32 × 1 1/2 is (greater than / less than / equal to) 32.

   Answer: _____

6. 2 1/3 × 46 is (greater than / less than / equal to) 46.

   Answer: _____

7. 5/3 × 40 is (greater than / less than / equal to) 40.

   Answer: _____

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

   Answer: _____

9. 13 × 1/4 is (greater than / less than / equal to) 13.

   Answer: _____

10. 10/10 × 22 is (greater than / less than / equal to) 22.

    Answer: _____

11. 5/6 × 48 is (greater than / less than / equal to) 48.

    Answer: _____

12. 18 × 9/4 is (greater than / less than / equal to) 18.

    Answer: _____

13. 3/3 × 41 is (greater than / less than / equal to) 41.

    Answer: _____

14. 12 × 10/10 is (greater than / less than / equal to) 12.

    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 5 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. 33 × 1/2 is (greater than / less than / equal to) 33.

   Answer: **less than**

2. 2/5 × 29 is (greater than / less than / equal to) 29.

   Answer: **less than**

3. 5/2 × 44 is (greater than / less than / equal to) 44.

   Answer: **greater than**

4. 2/5 × 17 is (greater than / less than / equal to) 17.

   Answer: **less than**

5. 32 × 1 1/2 is (greater than / less than / equal to) 32.

   Answer: **greater than**

6. 2 1/3 × 46 is (greater than / less than / equal to) 46.

   Answer: **greater than**

7. 5/3 × 40 is (greater than / less than / equal to) 40.

   Answer: **greater than**

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

   Answer: **less than**

9. 13 × 1/4 is (greater than / less than / equal to) 13.

   Answer: **less than**

10. 10/10 × 22 is (greater than / less than / equal to) 22.

    Answer: **equal to**

11. 5/6 × 48 is (greater than / less than / equal to) 48.

    Answer: **less than**

12. 18 × 9/4 is (greater than / less than / equal to) 18.

    Answer: **greater than**

13. 3/3 × 41 is (greater than / less than / equal to) 41.

    Answer: **equal to**

14. 12 × 10/10 is (greater than / less than / equal to) 12.

    Answer: **equal to**