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**

Multiplication as Scaling - ANSWER KEY

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 2 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. 9 × 14/5 is (greater than / less than / equal to) 9.

   Answer: **greater than**

2. 6/6 × 38 is (greater than / less than / equal to) 38.

   Answer: **equal to**

3. 39 × 5/6 is (greater than / less than / equal to) 39.

   Answer: **less than**

4. 3/5 × 48 is (greater than / less than / equal to) 48.

   Answer: **less than**

5. 10 × 1/3 is (greater than / less than / equal to) 10.

   Answer: **less than**

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

   Answer: **less than**

7. 6 × 3/8 is (greater than / less than / equal to) 6.

   Answer: **less than**

8. 34 × 3/3 is (greater than / less than / equal to) 34.

   Answer: **equal to**

9. 20 × 3/2 is (greater than / less than / equal to) 20.

   Answer: **greater than**

10. 27 × 3/2 is (greater than / less than / equal to) 27.

    Answer: **greater than**

11. 39 × 1 9/10 is (greater than / less than / equal to) 39.

    Answer: **greater than**

12. 25 × 3/2 is (greater than / less than / equal to) 25.

    Answer: **greater than**

13. 35 × 10/10 is (greater than / less than / equal to) 35.

    Answer: **equal to**

14. 30 × 5/6 is (greater than / less than / equal to) 30.

    Answer: **less than**

Multiplication as Scaling - ANSWER KEY

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 3 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. 26 × 5/6 is (greater than / less than / equal to) 26.

   Answer: **less than**

2. 16 × 10/10 is (greater than / less than / equal to) 16.

   Answer: **equal to**

3. 2/3 × 41 is (greater than / less than / equal to) 41.

   Answer: **less than**

4. 43 × 2/2 is (greater than / less than / equal to) 43.

   Answer: **equal to**

5. 9/10 × 44 is (greater than / less than / equal to) 44.

   Answer: **less than**

6. 26 × 1/6 is (greater than / less than / equal to) 26.

   Answer: **less than**

7. 1 5/8 × 44 is (greater than / less than / equal to) 44.

   Answer: **greater than**

8. 2/2 × 6 is (greater than / less than / equal to) 6.

   Answer: **equal to**

9. 21 × 1 3/5 is (greater than / less than / equal to) 21.

   Answer: **greater than**

10. 39 × 1 1/2 is (greater than / less than / equal to) 39.

    Answer: **greater than**

11. 8 × 1/2 is (greater than / less than / equal to) 8.

    Answer: **less than**

12. 45 × 1/2 is (greater than / less than / equal to) 45.

    Answer: **less than**

13. 2 7/10 × 24 is (greater than / less than / equal to) 24.

    Answer: **greater than**

14. 9/4 × 41 is (greater than / less than / equal to) 41.

    Answer: **greater than**

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**

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**

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**

Multiplication as Scaling - ANSWER KEY

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 7 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. 6/6 × 41 is (greater than / less than / equal to) 41.

   Answer: **equal to**

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

   Answer: **less than**

3. 7 × 1 1/2 is (greater than / less than / equal to) 7.

   Answer: **greater than**

4. 2 2/5 × 37 is (greater than / less than / equal to) 37.

   Answer: **greater than**

5. 14 × 2 1/6 is (greater than / less than / equal to) 14.

   Answer: **greater than**

6. 3/8 × 10 is (greater than / less than / equal to) 10.

   Answer: **less than**

7. 1/3 × 45 is (greater than / less than / equal to) 45.

   Answer: **less than**

8. 19 × 5/5 is (greater than / less than / equal to) 19.

   Answer: **equal to**

9. 1/5 × 28 is (greater than / less than / equal to) 28.

   Answer: **less than**

10. 21 × 2 7/10 is (greater than / less than / equal to) 21.

    Answer: **greater than**

11. 25 × 2 1/3 is (greater than / less than / equal to) 25.

    Answer: **greater than**

12. 3/3 × 21 is (greater than / less than / equal to) 21.

    Answer: **equal to**

13. 1/2 × 9 is (greater than / less than / equal to) 9.

    Answer: **less than**

14. 40 × 1/2 is (greater than / less than / equal to) 40.

    Answer: **less than**

Multiplication as Scaling - ANSWER KEY

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 8 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. 6/6 × 30 is (greater than / less than / equal to) 30.

   Answer: **equal to**

2. 46 × 3/5 is (greater than / less than / equal to) 46.

   Answer: **less than**

3. 34 × 2 3/5 is (greater than / less than / equal to) 34.

   Answer: **greater than**

4. 33 × 7/6 is (greater than / less than / equal to) 33.

   Answer: **greater than**

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

   Answer: **less than**

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

   Answer: **less than**

7. 1/2 × 40 is (greater than / less than / equal to) 40.

   Answer: **less than**

8. 3/2 × 36 is (greater than / less than / equal to) 36.

   Answer: **greater than**

9. 27 × 5/6 is (greater than / less than / equal to) 27.

   Answer: **less than**

10. 25 × 4/4 is (greater than / less than / equal to) 25.

    Answer: **equal to**

11. 1/4 × 36 is (greater than / less than / equal to) 36.

    Answer: **less than**

12. 4/4 × 30 is (greater than / less than / equal to) 30.

    Answer: **equal to**

13. 2 1/3 × 29 is (greater than / less than / equal to) 29.

    Answer: **greater than**

14. 1 3/5 × 10 is (greater than / less than / equal to) 10.

    Answer: **greater than**

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**

Multiplication as Scaling - ANSWER KEY

Grade 5 | Deciding whether a product is greater than, less than or equal to a factor without multiplying | Version 10 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. 5/6 × 42 is (greater than / less than / equal to) 42.

   Answer: **less than**

2. 8 × 10/10 is (greater than / less than / equal to) 8.

   Answer: **equal to**

3. 1 1/2 × 47 is (greater than / less than / equal to) 47.

   Answer: **greater than**

4. 19 × 1 3/4 is (greater than / less than / equal to) 19.

   Answer: **greater than**

5. 7/10 × 15 is (greater than / less than / equal to) 15.

   Answer: **less than**

6. 1/5 × 10 is (greater than / less than / equal to) 10.

   Answer: **less than**

7. 3/4 × 28 is (greater than / less than / equal to) 28.

   Answer: **less than**

8. 44 × 1 1/4 is (greater than / less than / equal to) 44.

   Answer: **greater than**

9. 5/8 × 22 is (greater than / less than / equal to) 22.

   Answer: **less than**

10. 2 1/4 × 46 is (greater than / less than / equal to) 46.

    Answer: **greater than**

11. 38 × 2/2 is (greater than / less than / equal to) 38.

    Answer: **equal to**

12. 48 × 4/5 is (greater than / less than / equal to) 48.

    Answer: **less than**

13. 45 × 3/3 is (greater than / less than / equal to) 45.

    Answer: **equal to**

14. 2 4/5 × 47 is (greater than / less than / equal to) 47.

    Answer: **greater than**