Fraction Multiplication

Choose one answer per question. Circle A, B, C, or D.

1. What is 3 × 1/7?
   A. 3/7
   B. 1/21
   C. 3/21
   D. 1/10

2. What is 2/3 × 3/8 in simplest form?
   A. 2/9
   B. 5/11
   C. 1/4
   D. 3/4

3. What is the product of 4/9 and 9/4?
   A. 4/9
   B. 1
   C. 16/81
   D. 13/36

4. A box has 35 cards. A team takes 2/5 of them. How many cards does it take?
   A. 21
   B. 7
   C. 10
   D. 14

5. A container holds 5/6 cup of oats. You use half the oats. How much do you use?
   A. 5/6 cup
   B. 5/12 cup
   C. 1/3 cup
   D. 1 2/3 cups

6. What is 5/14 × 7/15 in simplest form?
   A. 1/6
   B. 1/3
   C. 1/2
   D. 5/42

7. What is 1 1/3 × 3/8?
   A. 1 1/8
   B. 3/8
   C. 3/4
   D. 1/2

8. A rectangular sign is 5/6 meter wide and 3/4 meter high. What is its area?
   A. 3/8 square meter
   B. 2/3 square meter
   C. 5/8 square meter
   D. 7/12 square meter

9. A full batch needs 2 2/3 cups of flour. How much does a three-quarter batch need?
   A. 2 cups
   B. 1 1/2 cups
   C. 2 1/3 cups
   D. 3 5/9 cups

10. How does 11/8 × 9/10 compare with 11/8?
   A. It must be zero.
   B. It is larger than 11/8.
   C. It is equal to 11/8.
   D. It is smaller than 11/8.

11. What is 1 3/5 × 2 1/4 in simplest mixed-number form?
   A. 2 3/20
   B. 3 1/5
   C. 3 3/5
   D. 4 1/20

12. A roll starts 2 2/5 meters long. Three quarters of the roll is set aside, and a student takes two thirds of the part set aside. How much does the student take?
   A. 4/5 meter
   B. 1 1/5 meters
   C. 1 4/5 meters
   D. 2 1/5 meters

13. A number times 4/7 equals 6/35. What is the number?
   A. 21/40
   B. 24/245
   C. 3/5
   D. 3/10

14. How can you simplify 14/15 × 25/28 before multiplying?

A. Reduce 14 with 28 and 25 with 15, then multiply 1/3 × 5/2.
B. Divide both numerators by 5 and leave both denominators unchanged.
C. Cancel 14 against 25 because both are numerators.
D. Subtract 15 from 25 and multiply 10 by the two remaining numbers.

15. A rectangle is 1 3/4 meters by 2 2/7 meters. A copy scales both lengths by 5/6. What is the copy’s area?

A. 3 5/9 square meters
B. 3 1/3 square meters
C. 2 7/9 square meters
D. 4 square meters