25.
$$\frac{1}{6} \times \frac{1}{4}$$

26.
$$\frac{1}{3} \times \frac{2}{5}$$

27.
$$\frac{1}{8} \times \frac{2}{3}$$

28.
$$\frac{3}{4} \times \frac{1}{5}$$

29.
$$\frac{3}{4} \times \frac{3}{8}$$

30.
$$\frac{3}{7} \times \frac{2}{3}$$

31.
$$\frac{3}{5} \times \frac{3}{4}$$

32.
$$\frac{4}{7} \times \frac{2}{5}$$

33.
$$\frac{5}{6} \times \frac{3}{4}$$

34.
$$1\frac{1}{2} \times 3$$

35.
$$2\frac{1}{3} \times 2$$

36.
$$1\frac{1}{4} \times 4$$

Multiplication of Fractions – Problem Tickets

9 sets of problems with increasing complexity, plus an answer key and recording sheet

Virtually Montessori

Multiplication of Fractions Problem Tickets

These fraction problems are intended to be follow-up practice after a lesson. Each group of problems adds a new layer of complexity (see bulleted list below for how each problem set is differentiated). The yellow border represents the multiplication operation in Montessori math lessons and materials.

The following items are included in this material:

- **Multiplication of fractions problems tickets**
    - *Problems #1-6*: Multiplication of a fraction by a whole number (can be used with Montessori fraction circles)
    - *Problems #7-9*: Commutative property of multiplication (referring to problems #4-6, can be used with Montessori fraction circles)
    - *Problems #10-18*: Multiplying a whole number by a fraction (can be used with Montessori fraction circles)
    - *Problems #19-33*: Multiplying a fraction by a fraction
    - *Problems #34-42*: Multiplying mixed numbers: mixed number in multiplicand
    - *Problems #43-51*: Multiplying mixed numbers: mixed number in multiplier
    - *Problems #52-59*: Multiplying mixed numbers: mixed numbers in multiplicand and multiplier
    - *Problems #60-67*: Cancelling and factoring out with fractions
    - *Problems #68-72*: Multiplying three fractions

- **Answer Key**

    Note: For problems #1 – 33: It is assumed that Montessori fraction circles (or other manipulatives, e.g. paper fraction circles) are being used, and not just paper and pencil, therefore whole numbers are kept as whole numbers, rather than being written as a fraction (3 is written as 3, rather than 3/1, for example).

    For problems #60-72: It is assumed that the student is cancelling and factoring out as part of the work, so the intermediate steps in reducing the answer are not shown since that work would have been done in the cancelling and factoring out process.

- **Recording Sheets**

Instructions

Print, cut and laminate. Alternatively, the whole sheets can be laminated without being cut to be used as a set of problems, rather than as individual tickets. The answer key is designed to be left as one whole sheet.

After giving a lesson, chosen tickets are handed by the teacher to the student as his follow-up practice. The student completes the work on his own, records on the recording sheet or in a math journal, then checks his work using the answer key. Each problem ticket has a number on it that corresponds with the answer key.

Another way to use the tickets is to cut them up and have them in a basket for use as a math activity or center. The students can choose which tickets they complete based on the choices provided in the basket. After recording, the student can check his work with the answer key.

Recording Sheets

1.	2.	3.	4.	5.	6.

| 10. |
| 16. |
| 22. |
| 28. |

Task Cards (Sheet 1)

1. $\frac{1}{3} \times 2$	2. $\frac{1}{4} \times 3$	3. $\frac{1}{2} \times 2$
4. $\frac{2}{3} \times 3$	5. $\frac{3}{5} \times 2$	6. $\frac{3}{4} \times 2$
7. $2 \times \frac{2}{3}$	8.	9.

Task Cards (Sheet 2)

25. $\frac{1}{6} \times \frac{1}{4}$	26. $\frac{1}{3} \times \frac{2}{5}$	27. $\frac{1}{8} \times \frac{2}{3}$
28. $\frac{3}{4} \times \frac{1}{5}$	29. $\frac{3}{4} \times \frac{3}{8}$	30. $\frac{3}{7} \times \frac{2}{3}$
31. $\frac{3}{5} \times \frac{3}{4}$	32. $\frac{4}{7} \times \frac{2}{5}$	33. $\frac{5}{6} \times \frac{3}{4}$

Task Cards (Sheet 3)

61. $\frac{3}{4} \times \frac{1}{3}$	62. $\frac{3}{7} \times \frac{7}{8}$	63. $\frac{1}{2} \times \frac{1}{3}$
64. $2\frac{1}{4} \times \frac{5}{9}$	65. $2\frac{1}{3} \times 1\frac{2}{7}$	66. $3\frac{3}{4} \times 4\frac{1}{5}$
67. $5\frac{2}{5} \times 2\frac{7}{9}$	68. $\frac{1}{2} \times \frac{2}{5} \times \frac{1}{3}$	69. $\frac{3}{4} \times \frac{2}{9} \times \frac{3}{7}$
70. $\frac{4}{9} \times \frac{3}{8} \times \frac{2}{3}$	71. $\frac{1}{6} \times \frac{3}{7} \times \frac{2}{9}$	72. $\frac{3}{5} \times \frac{1}{2} \times \ldots$

Answer Key

No.	Answer
1.	$\frac{1}{3} \times 2 = \frac{2}{3}$
2.	$\frac{1}{4} \times 3 = \frac{3}{4}$
3.	$\frac{1}{2} \times 2 = \frac{2}{2} = 1$
4.	$\frac{2}{3} \times 3 = \frac{6}{3} = 2$
5.	$\frac{3}{5} \times 2 = \frac{6}{5} = 1\frac{1}{5}$
6.	$\frac{3}{4} \times 2 = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$
7.	$3 \times \frac{2}{3} = \frac{6}{3} = 2$
8.	$2 \times \frac{3}{5} = \frac{6}{5} = 1\frac{1}{5}$
9.	$2 \times \frac{3}{4} = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$
10.	$4 \times \frac{1}{4} = \frac{4}{4} = 1$
11.	$3 \times \frac{1}{5} = \frac{3}{5}$
12.	$2 \times \frac{1}{6} = \frac{2}{6} = \frac{1}{3}$
13.	$4 \times \frac{3}{4} = \frac{12}{4} = 3$
14.	$3 \times \frac{2}{3} = \frac{6}{3} = 2$
15.	$5 \times \frac{2}{7} = \frac{10}{7} = 1\frac{3}{7}$
16.	$6 \times \frac{2}{9} = \frac{12}{9} = 1\frac{3}{9} = 1\frac{1}{3}$
17.	$7 \times \frac{3}{8} = \frac{21}{8} = 2\frac{5}{8}$
18.	$5 \times \frac{4}{5} = \frac{20}{5} = 4$
19.	$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$
20.	$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$
21.	$\frac{1}{2} \times \frac{1}{5} = \frac{1}{10}$
22.	$\frac{1}{2} \times \frac{2}{6} = \frac{2}{12} = \frac{1}{6}$
23.	$\frac{2}{5} \times \frac{1}{2} = \frac{2}{10} = \frac{1}{5}$
24.	$\frac{1}{3} \times \frac{2}{3} = \frac{2}{9}$
25.	$\frac{1}{6} \times \frac{1}{4} = \frac{1}{24}$
26.	$\frac{1}{3} \times \frac{2}{5} = \frac{2}{15}$
27.	$\frac{1}{8} \times \frac{2}{3} = \frac{2}{24} = \frac{1}{12}$
28.	$\frac{3}{4} \times \frac{1}{5} = \frac{3}{20}$
29.	$\frac{3}{4} \times \frac{3}{8} = \frac{9}{32}$
30.	$\frac{3}{7} \times \frac{2}{3} = \frac{6}{21} = \frac{2}{7}$
31.	$\frac{3}{5} \times \frac{3}{4} = \frac{9}{20}$
32.	$\frac{4}{7} \times \frac{2}{5} = \frac{8}{35}$
33.	$\frac{5}{6} \times \frac{3}{4} = \frac{15}{24} = \frac{5}{8}$
34.	$1\frac{1}{2} \times 3 = \frac{3}{2} \times \frac{3}{1} = \frac{9}{2} = 4\frac{1}{2}$
35.	$2\frac{1}{3} \times 2 = \frac{7}{3} \times \frac{2}{1} = \frac{14}{3} = 4\frac{2}{3}$
36.	$1\frac{1}{4} \times 4 = \frac{5}{4} \times \frac{4}{1} = \frac{20}{4} = 5$

Check out my other products at Virtually Montessori.

Some related products include:

Addition of Fractions – Problem Tickets
Subtraction of Fractions – Problem Tickets
Division of Fractions – Problem Tickets
Equivalent Fractions with Hundredths: Samples, Booklet, and Blanks

If you have any questions,
email info@virtuallymontessori.com.