


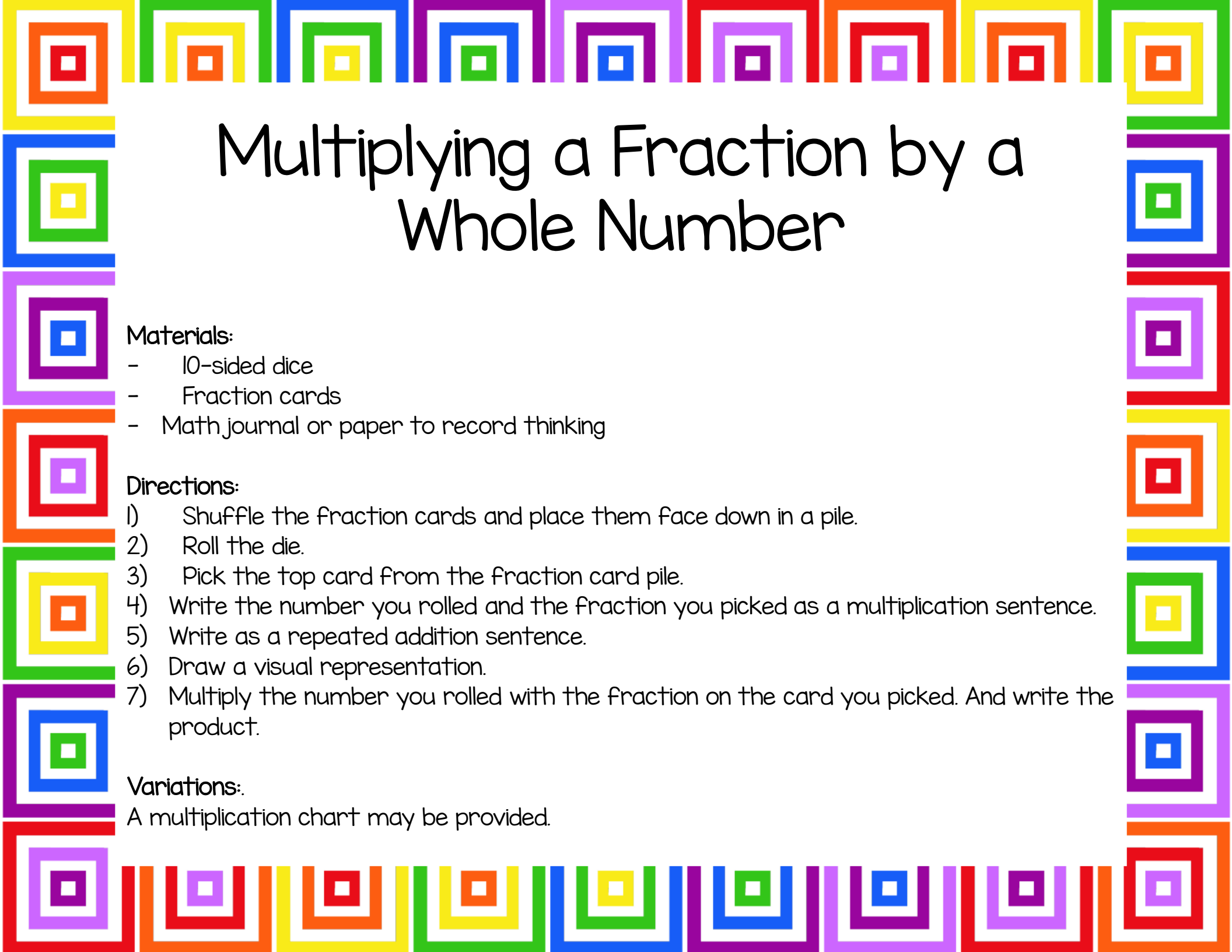
Multiplying a Fraction by a Whole Number

$$4 \times \frac{2}{3}$$

$$\frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3}$$

$\frac{2}{3}$	$\frac{2}{3}$	$\frac{2}{3}$	$\frac{2}{3}$
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$$4 \times \frac{2}{3} = \frac{8}{3} = 2 \frac{2}{3}$$



A decorative border surrounds the page, consisting of a repeating pattern of colorful squares. Each square is composed of three concentric squares: an innermost square, a middle square, and an outermost square, all in different colors. The colors used include red, orange, yellow, green, blue, purple, and pink, arranged in a sequence that repeats across the top, bottom, and sides of the page.

Multiplying a Fraction by a Whole Number

Materials:

- 10-sided dice
- Fraction cards
- Math journal or paper to record thinking

Directions:

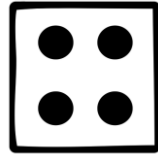
- 1) Shuffle the fraction cards and place them face down in a pile.
- 2) Roll the die.
- 3) Pick the top card from the fraction card pile.
- 4) Write the number you rolled and the fraction you picked as a multiplication sentence.
- 5) Write as a repeated addition sentence.
- 6) Draw a visual representation.
- 7) Multiply the number you rolled with the fraction on the card you picked. And write the product.

Variations:

A multiplication chart may be provided.

Sample Response

$$4 \times \frac{2}{3}$$



$$\frac{2}{3}$$

$$\frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3}$$

$\frac{2}{3}$	$\frac{2}{3}$	$\frac{2}{3}$	$\frac{2}{3}$
---------------	---------------	---------------	---------------

$$4 \times \frac{2}{3} = \frac{8}{3} = 2 \frac{2}{3}$$

$$\frac{1}{2}$$

$$\frac{2}{3}$$

$$\frac{2}{4}$$

$$\frac{3}{4}$$

$$\frac{2}{5}$$

$$\frac{3}{5}$$

$$\frac{4}{5}$$

$$\frac{2}{6}$$

$$\frac{3}{6}$$

$$\frac{4}{6}$$

$$\frac{5}{6}$$

$$\frac{2}{8}$$

$$\frac{3}{8}$$

$$\frac{4}{8}$$

$$\frac{5}{8}$$

$$\frac{6}{8}$$

$$\frac{7}{8}$$

$$\frac{2}{10}$$

$$\frac{3}{10}$$

$$\frac{4}{10}$$

$$\frac{5}{10}$$

$$\frac{6}{10}$$

$$\frac{7}{10}$$

$$\frac{8}{10}$$

$$\frac{9}{10}$$

$$\frac{10}{10}$$

Graphics and Fonts

