

Math Bowl – Fractions – multiply and divide

1. Simplify. Write your answer in lowest terms.

$$\begin{aligned} & \left(\frac{1}{4} + \frac{1}{8} \right) \times \frac{2}{3} \div \frac{3}{12} = \\ & = \left(\frac{2}{8} + \frac{1}{8} \right) \times \frac{2}{\cancel{3}} \times \frac{\cancel{12}^4}{3} \\ & = \frac{3}{8} \times \frac{8}{3} \\ & = 1 \end{aligned}$$

Fraction Worksheet 5: Multiplication

$$1a. 1 \times 7\frac{6}{7} = 7\frac{6}{7}$$

$$1b. 2\frac{1}{6} \times 10\frac{1}{5} = 22\frac{1}{10}$$

$$2a. \frac{2}{3} \times 6\frac{1}{5} = 4\frac{2}{15}$$

$$2b. 8 \times 2\frac{1}{2} = 20$$

$$3a. 10 \times \frac{2}{3} = 6\frac{2}{3}$$

$$3b. \frac{3}{4} \times 4 = 3$$

$$4a. 2 \times \frac{1}{2} = 1$$

$$4b. \frac{5}{12} \times 3 = 1\frac{1}{4}$$

$$5a. \frac{5}{6} \times \frac{4}{11} = \frac{10}{33}$$

$$5b. 5\frac{1}{4} \times 6\frac{4}{9} = 33\frac{5}{6}$$

Fraction Worksheet 6: Division

$$1a. \frac{1}{3} \div \frac{4}{9} = \frac{3}{4}$$

$$1b. 3 \div \frac{1}{2} = 6$$

$$2a. \frac{8}{11} \div 4\frac{1}{9} = \frac{72}{407}$$

$$2b. \frac{1}{11} \div \frac{1}{4} = \frac{4}{11}$$

$$3a. \frac{5}{6} \div \frac{2}{3} = 1\frac{1}{4}$$

$$3b. 1\frac{10}{11} \div 3\frac{1}{4} = \frac{84}{143}$$

$$4a. \frac{7}{9} \div 8\frac{3}{8} = \frac{56}{603}$$

$$4b. \frac{1}{2} \div 1\frac{6}{11} = \frac{11}{34}$$

$$5a. 6 \div \frac{1}{2} = 12$$

$$5b. \frac{1}{2} \div \frac{3}{5} = \frac{5}{6}$$