



Grade 8

Mathematics

Multiplication and Division of Mixed Fractions

Question 1: Multiplication and Division of mixed numbers

1. $3\frac{4}{5} \times 1\frac{3}{19}$

2. $6\frac{4}{5} \times 2\frac{5}{6}$

3. $7\frac{5}{7} \div 3\frac{3}{8}$

4. $3\frac{4}{5} \div 4\frac{3}{4}$

5. $2\frac{5}{8} \times 3\frac{8}{24}$

6. $1\frac{16}{35} \div 2\frac{5}{6}$

Question 2: Words problems – multiplication and division mixed numbers

- Hannah is baking cupcakes to take to school on her birthday. The recipe she has can make 8 giant cupcakes. She needs 28 cupcakes ($4\frac{1}{2}$ times the recipe). Each batch needs $2\frac{4}{7}$ cups of flour. How much flour does Hannah use altogether?
- 3 friends club together to buy chocolate. They buy $7\frac{5}{15}$ chocolates (an odd amount, inspired by my need to create this word problem). The third friend only gave a fifth as much money as the others and so receives only half the amount of chocolate (in other words, they need to divide it into $2\frac{1}{5}$ piles).
- Ricky does $1\frac{1}{6}$ hours of CrossFit every week. How much CrossFit will he do in $3\frac{1}{7}$ (assuming that in the week where he does 1 day, he does $\frac{1}{7}$ as much as a full week)?
- What is eight and four sevenths divided by two and four sixths?