Answer key

The method: Multiplying mixed numbers

Change mixed numbers to improper fractions first.

$$4\frac{1}{5} \times 2\frac{1}{3} = \frac{21}{5} \times \frac{7}{3}$$ change mixed numbers to improper fractions

$$\frac{21}{5} \times \frac{7}{3} = \frac{21 \times 7}{5 \times 3} = \frac{147}{15}$$ numerator × numerator, denominator × denominator

$$\frac{147}{15} = 9\frac{4}{5}$$ simplify (÷ 3)

Problems 1 and 2 worked out · Version 0A

$$1\frac{1}{3} \times 1\frac{1}{2} = \frac{4}{3} \times \frac{3}{2}$$ change mixed numbers to improper fractions

$$\frac{4}{3} \times \frac{3}{2} = \frac{4 \times 3}{3 \times 2} = \frac{12}{6}$$ numerator × numerator, denominator × denominator

$$\frac{12}{6} = 2$$ simplify (÷ 6)

$$1\frac{2}{3} \times 1\frac{1}{3} = \frac{5}{3} \times \frac{4}{3}$$ change mixed numbers to improper fractions

$$\frac{5}{3} \times \frac{4}{3} = \frac{5 \times 4}{3 \times 3} = \frac{20}{9}$$ numerator × numerator, denominator × denominator

$$\frac{20}{9} = 2\frac{2}{9}$$ write as a mixed number

Multiplying mixed numbers · Version 0A

1) 2 2) $2\frac{2}{9}$ 3) $16\frac{1}{3}$ 4) $3\frac{8}{9}$ 5) $3\frac{7}{16}$ 6) $15\frac{1}{6}$

7) $5\frac{1}{25}$ 8) 15 9) $5\frac{1}{4}$ 10) $7\frac{7}{9}$ 11) $12\frac{1}{4}$ 12) $12\frac{4}{9}$

13) $6\frac{1}{9}$ 14) $12\frac{2}{9}$ 15) $2\frac{1}{2}$ 16) $9\frac{9}{10}$ 17) $6\frac{1}{4}$

18) $6\frac{3}{4}$ 19) $4\frac{2}{3}$ 20) $5\frac{1}{4}$ 21) $17\frac{5}{12}$ 22) $6\frac{1}{4}$

23) $8\frac{3}{4}$ 24) $9\frac{1}{6}$ 25) 2 26) 2 27) $13\frac{14}{15}$ 28) $3\frac{35}{36}$

29) $5\frac{3}{5}$ 30) $4\frac{1}{8}$ 31) $5\frac{1}{2}$ 32) $4\frac{3}{8}$ 33) $8\frac{3}{4}$ 34) $5\frac{1}{4}$

35) $8\frac{7}{16}$ 36) $12\frac{3}{16}$ 37) $11\frac{2}{3}$ 38) $4\frac{3}{8}$ 39) $3\frac{3}{4}$

40) $7\frac{3}{20}$ 41) $4\frac{1}{16}$ 42) 4 43) $7\frac{17}{18}$ 44) $2\frac{1}{4}$