Four parts of a mixed-number product

Check each step before the final value.

Multiply each row label by each column label. Add all four partial products.

Row and column labels are side lengths. The four cells give the partial areas.

Q1 $1\frac{1}{2} \times 2\frac{1}{3}$

Parts	2	1/3
1	2	1/3
1/2	1	1/6

Add the pieces: 2 + 1/3 + 1 + 1/6

Product: 3 1/2

Check: 3/2 × 7/3 = 7/2

Q2 $2\frac{5}{6} \times 1\frac{4}{5}$

Parts	1	4/5
2	2	8/5
5/6	5/6	2/3

Add the pieces: 2 + 8/5 + 5/6 + 2/3

Product: 5 1/10

Check: 17/6 × 9/5 = 51/10

Q3 $1\frac{1}{2} \times 1\frac{1}{3}$

Parts	1	1/3
1	1	1/3
1/2	1/2	1/6

Add the pieces: 1 + 1/3 + 1/2 + 1/6

Product: 2

Check: 3/2 × 4/3 = 2

Q4 $3\frac{1}{3} \times 1\frac{5}{6}$

Parts	1	5/6
3	3	5/2
1/3	1/3	5/18

Add the pieces: 3 + 5/2 + 1/3 + 5/18

Product: 6 1/9

Check: 10/3 × 11/6 = 55/9