Four parts of a mixed-number product

Name _____ Date _____

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		
1/2		

Add the pieces:

_____

Product: _____

Check by converting both factors:

_____

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

Parts	1	4/5
2		
5/6		

Add the pieces:

_____

Product: _____

Check by converting both factors:

_____

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

Parts	1	1/3
1		
1/2		

Add the pieces:

_____

Product: _____

Check by converting both factors:

_____

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

Parts	1	5/6
3		
1/3		

Add the pieces:

_____

Product: _____

Check by converting both factors:

_____

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