Multiply proper fractions

Name _____ Date _____

Multiply the numerators and the denominators. Give each product in simplest form.

Q1 $\frac{2}{3} \times \frac{3}{4}$

Numerators _____

Denominators _____

Product before reducing _____

Simplest form _____

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

Numerators _____

Denominators _____

Product before reducing _____

Simplest form _____

Q3 $\frac{5}{6} \times \frac{2}{3}$

Numerators _____

Denominators _____

Product before reducing _____

Simplest form _____

Q4 $\frac{1}{3} \times \frac{2}{5}$

Numerators _____

Denominators _____

Product before reducing _____

Simplest form _____

Q5 $\frac{3}{4} \times \frac{4}{11}$

Numerators _____

Denominators _____

Product before reducing _____

Simplest form _____

Q6 $\frac{9}{10} \times \frac{1}{10}$

Numerators _____

Denominators _____

Product before reducing _____

Simplest form _____

Q7 $\frac{4}{9} \times \frac{11}{12}$

Numerators _____

Denominators _____

Product before reducing _____

Simplest form _____

Q8 $\frac{2}{5} \times \frac{2}{11}$

Numerators _____

Denominators _____

Product before reducing _____

Simplest form _____

Multiply proper fractions

Use the raw product to check the multiplication before reducing.

Multiply the numerators and the denominators. Give each product in simplest form.

Q1 $\frac{2}{3} \times \frac{3}{4}$

Numerators 2 × 3 = 6

Denominators 3 × 4 = 12

Raw product 6/12

Simplest form 1/2

Divide top and bottom by 6.

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

Numerators 5 × 1 = 5

Denominators 6 × 4 = 24

Raw product 5/24

Simplest form 5/24

Q3 $\frac{5}{6} \times \frac{2}{3}$

Numerators 5 × 2 = 10

Denominators 6 × 3 = 18

Raw product 10/18

Simplest form 5/9

Divide top and bottom by 2.

Q4 $\frac{1}{3} \times \frac{2}{5}$

Numerators 1 × 2 = 2

Denominators 3 × 5 = 15

Raw product 2/15

Simplest form 2/15

Q5 $\frac{3}{4} \times \frac{4}{11}$

Numerators 3 × 4 = 12

Denominators 4 × 11 = 44

Raw product 12/44

Simplest form 3/11

Divide top and bottom by 4.

Q6 $\frac{9}{10} \times \frac{1}{10}$

Numerators 9 × 1 = 9

Denominators 10 × 10 = 100

Raw product 9/100

Simplest form 9/100

Q7 $\frac{4}{9} \times \frac{11}{12}$

Numerators 4 × 11 = 44

Denominators 9 × 12 = 108

Raw product 44/108

Simplest form 11/27

Divide top and bottom by 4.

Q8 $\frac{2}{5} \times \frac{2}{11}$

Numerators 2 × 2 = 4

Denominators 5 × 11 = 55

Raw product 4/55

Simplest form 4/55