Products that need simplifying

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 $\frac{9}{12} \times \frac{7}{12}$

Numerators _____
Denominators _____
Product before reducing _____
Simplest form _____

Q3 $\frac{1}{12} \times \frac{4}{5}$

Numerators _____
Denominators _____
Product before reducing _____
Simplest form _____

Q4 $\frac{4}{6} \times \frac{5}{6}$

Numerators _____
Denominators _____
Product before reducing _____
Simplest form _____

Q5 $\frac{3}{4} \times \frac{6}{11}$

Numerators _____
Denominators _____
Product before reducing _____
Simplest form _____

Q6 $\frac{9}{10} \times \frac{2}{8}$

Numerators _____
Denominators _____
Product before reducing _____
Simplest form _____

Q7 $\frac{5}{9} \times \frac{3}{4}$

Numerators _____
Denominators _____
Product before reducing _____
Simplest form _____

Q8 $\frac{3}{6} \times \frac{2}{8}$

Numerators _____
Denominators _____
Product before reducing _____
Simplest form _____

Products that need simplifying

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 $\frac{9}{12} \times \frac{7}{12}$

Numerators 9 × 7 = 63

Denominators 12 × 12 = 144

Raw product 63/144

Simplest form 7/16

Divide top and bottom by 9.

Q3 $\frac{1}{12} \times \frac{4}{5}$

Numerators 1 × 4 = 4

Denominators 12 × 5 = 60

Raw product 4/60

Simplest form 1/15

Divide top and bottom by 4.

Q4 $\frac{4}{6} \times \frac{5}{6}$

Numerators 4 × 5 = 20

Denominators 6 × 6 = 36

Raw product 20/36

Simplest form 5/9

Divide top and bottom by 4.

Q5 $\frac{3}{4} \times \frac{6}{11}$

Numerators 3 × 6 = 18

Denominators 4 × 11 = 44

Raw product 18/44

Simplest form 9/22

Divide top and bottom by 2.

Q6 $\frac{9}{10} \times \frac{2}{8}$

Numerators 9 × 2 = 18

Denominators 10 × 8 = 80

Raw product 18/80

Simplest form 9/40

Divide top and bottom by 2.

Q7 $\frac{5}{9} \times \frac{3}{4}$

Numerators 5 × 3 = 15

Denominators 9 × 4 = 36

Raw product 15/36

Simplest form 5/12

Divide top and bottom by 3.

Q8 $\frac{3}{6} \times \frac{2}{8}$

Numerators 3 × 2 = 6

Denominators 6 × 8 = 48

Raw product 6/48

Simplest form 1/8

Divide top and bottom by 6.