Fractions
Multiply pairs of proper fractions

Independent Task

Question 1

Efficiently calculate each product and express it in its simplest form:

a) $\frac{2}{3} \times \frac{2}{3} =$

c) $\frac{2}{3} \times \frac{3}{5} =$

b) $\frac{3}{4} \times \frac{1}{2} =$

d) $\frac{2}{5} \times \frac{3}{4} =$

Question 2

Efficiently calculate each product and express it as a mixed number:

a) $5 \times \frac{2}{3} =$

c) $4 \times \frac{3}{5} =$

b) $\frac{3}{4} \times 3 =$

d) $\frac{2}{5} \times 7 =$

Question 3

Fill in the missing values in the calculations below:

a) $\frac{3}{5} \times \frac{3}{\square} = \frac{\square}{20}$

b) $\frac{3}{\square} \times \frac{\square}{3} = \frac{6}{21}$

c) $\frac{5}{8} \times \frac{4}{\square} = \frac{2}{20} \times \frac{\square}{2}$

d) $\frac{\square}{4} \times \frac{8}{9} = \frac{6}{\square} \times \frac{4}{6}$

Question 4

There is $\frac{3}{7}$ of a cake in a tin. I eat $\frac{4}{5}$ of what is remaining for breakfast.

What fraction of the cake did I eat?

Question 5

The values in the outer triangles multiply together to produce the fraction the central triangle. Complete the values of the missing shapes.