

Discussion Problems

Step 4: Compare Fractions

National Curriculum Objectives:

Mathematics Year 3: (3F3) [Compare and order unit fractions, and fractions with the same denominators.](#)

Mathematics Year 3: (3F10) [Solve problems that involve the above.](#)

About this resource:

This resource has been designed for pupils who understand the concepts within [this step](#). It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More [Year 3 Fractions](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Compare Fractions

1. Anika and Oliver each bought a bar of chocolate.



Anika

I have half of my bar of chocolate left.



Oliver

I have more chocolate left than Anika.

What fraction of the bar could Oliver have left?

Write an equivalent fraction for the fraction of the bar that Oliver could have.

Write a comparison statement using $<$, $>$ or $=$ for some of the fractions you have found.

DP

2. Is the statement below correct? Explain your answer.

$$\frac{3}{4} = \frac{5}{8}$$

Write another comparison statement including one of the fractions above.

DP

Compare Fractions

1. Anika and Oliver each bought a bar of chocolate.



Anika

I have half of my bar of chocolate left.



Oliver

I have more chocolate left than Anika.

What fraction of the bar could Oliver have left?

Various possible answers that are greater than one half, for example: $\frac{3}{4}$ or $\frac{2}{3}$

Write an equivalent fraction for the fraction of the bar that Oliver could have.

Various possible answers, for example: $\frac{2}{3} = \frac{4}{6}$

Write a comparison statement using $<$, $>$ or $=$ for some of the fractions you have found.

Various possible answers, for example: $\frac{1}{2} < \frac{2}{3} = \frac{4}{6}$

DP

2. Is the statement below correct? Explain your answer.

$$\frac{3}{4} = \frac{5}{8}$$

The statement is incorrect. The denominator has been multiplied by 2 to convert quarters to eighths, so the numerator should also be multiplied by 2 ($3 \times 2 = 6$).

Write another comparison statement including one of the fractions above.

Various possible answers, for example: $\frac{3}{4} = \frac{6}{8}$ or $\frac{10}{16} = \frac{5}{8}$

DP