Discussion Problems
Step 3: Equivalent Fractions 2

Teaching note: For Q2, an A3 copy on card and scissors may be necessary.

National Curriculum Objectives:

Mathematics Year 4: (4F2) Recognise and show, using diagrams, families of common equivalent fractions

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 4 Fractions resources.

Did you like this resource? Don't forget to review it on our website.

Equivalent Fractions 2

1. Emile the Explorer is lost in the forest and needs some help to find her way through the maze. She can move horizontally or vertically to find her way home.

$\frac{2}{3}$	$\frac{12}{18}$	$\frac{8}{12}$	$\frac{6}{9}$	$\frac{14}{21}$	$\frac{48}{60}$	$\frac{32}{48}$	$\frac{6}{7}$
$\frac{4}{5}$	$\frac{24}{30}$	$\frac{36}{45}$	$\frac{16}{20}$	$\frac{4}{6}$	$\frac{18}{27}$	$\frac{16}{24}$	$\frac{10}{15}$
$\frac{6}{9}$	$\frac{32}{40}$	$\frac{12}{15}$	$\frac{40}{50}$	$\frac{28}{35}$	$\frac{8}{10}$	$\frac{44}{55}$	$\frac{20}{25}$
$\frac{5}{9}$	$\frac{40}{42}$	$\frac{55}{66}$	$\frac{30}{36}$	$\frac{11}{15}$	$\frac{15}{18}$	$\frac{50}{60}$	$\frac{35}{42}$
$\frac{5}{6}$	$\frac{20}{24}$	$\frac{14}{18}$	$\frac{10}{12}$	$\frac{45}{54}$	$\frac{25}{30}$	$\frac{8}{10}$	$\frac{3}{4}$

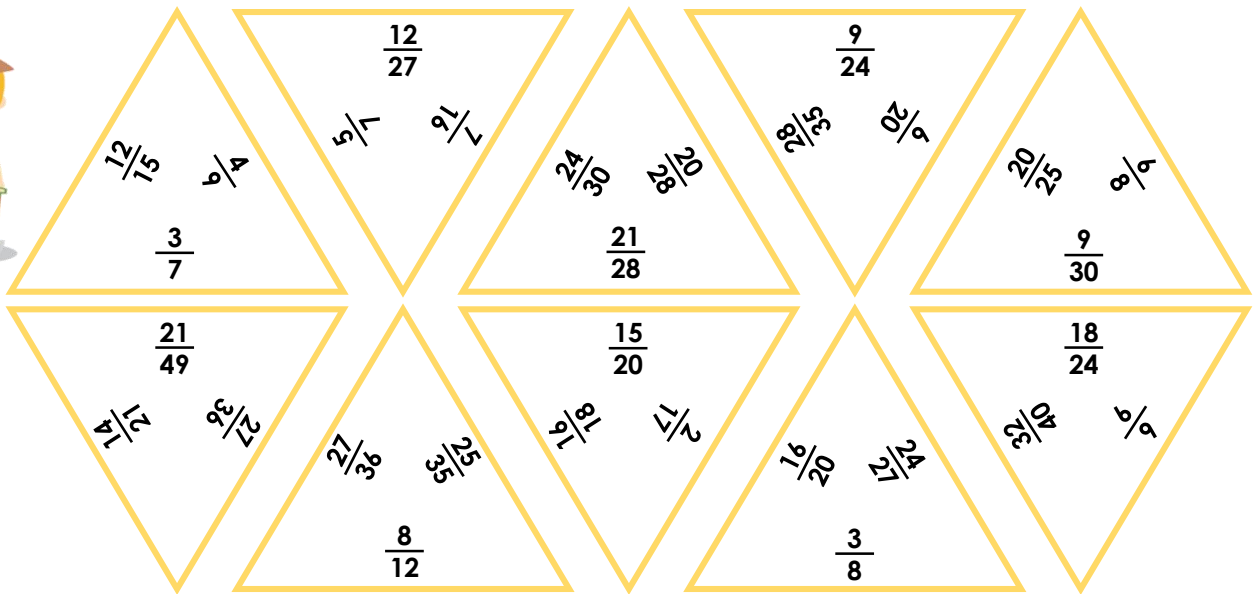
Home

Explore the different routes that Ellie can take to find her way home, by following the path of equivalent fractions.

DP

2. Albie the Archaeologist has discovered a puzzle on one of his dig sites.

He needs to join all of the triangles together. Each side that touches must be an equivalent fraction.



Investigate different ways to join the triangles together to solve the puzzle.

DP

Equivalent Fractions 2

1. Emile the Explorer is lost in the forest and needs some help to find her way through the maze. She can move horizontally or vertically to find her way home.

$\frac{2}{3}$	$\frac{12}{18}$	$\frac{8}{12}$	$\frac{6}{9}$	$\frac{14}{21}$	$\frac{48}{60}$	$\frac{32}{48}$	$\frac{6}{7}$
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Home

Explore the different routes that Ellie can take to find her way home, by following the path of equivalent fractions.

Various answers, one example shown on the maze above.

DP

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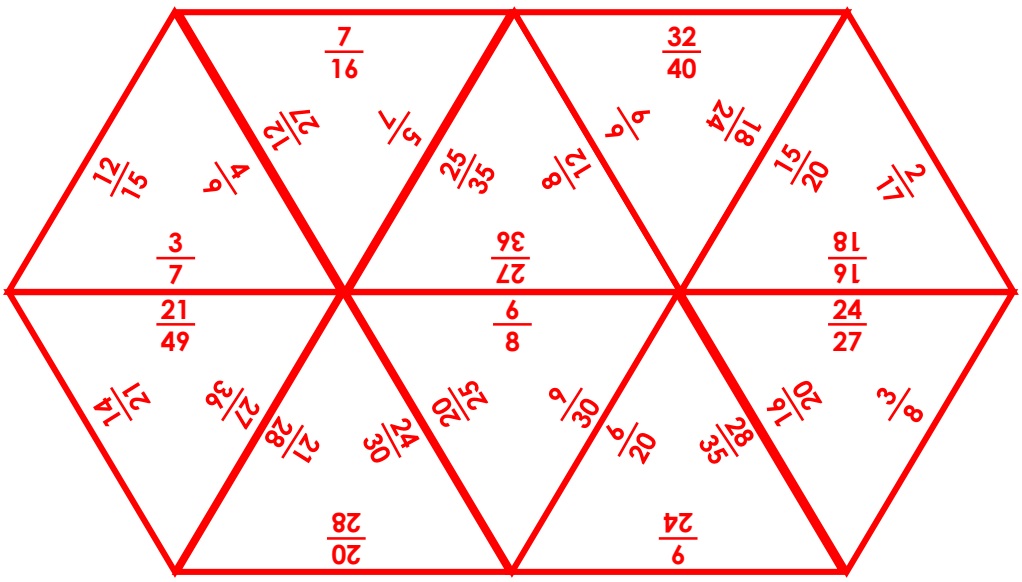
He needs to join all of the triangles together. Each side that touches must be an equivalent fraction.



Investigate different ways to join the triangles together to solve the puzzle.

Various answers, one example shown above.

DP