Discussion Problems
Step 10: Add Fractions

National Curriculum Objectives:

Mathematics Year 5: (5F2a) Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, 2/5 + 4/5 = 6/5 = 1 1/5]
Mathematics Year 5: (5F4) Add and subtract fractions with the same denominator and denominators that are multiples of the same number

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 5 Fractions resources.

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

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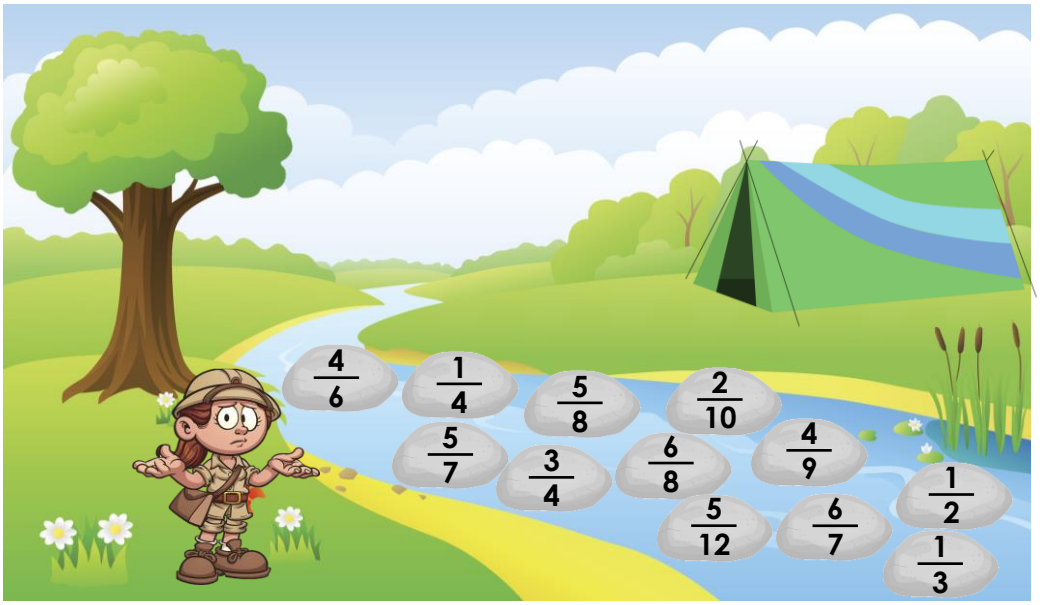
Add Fractions

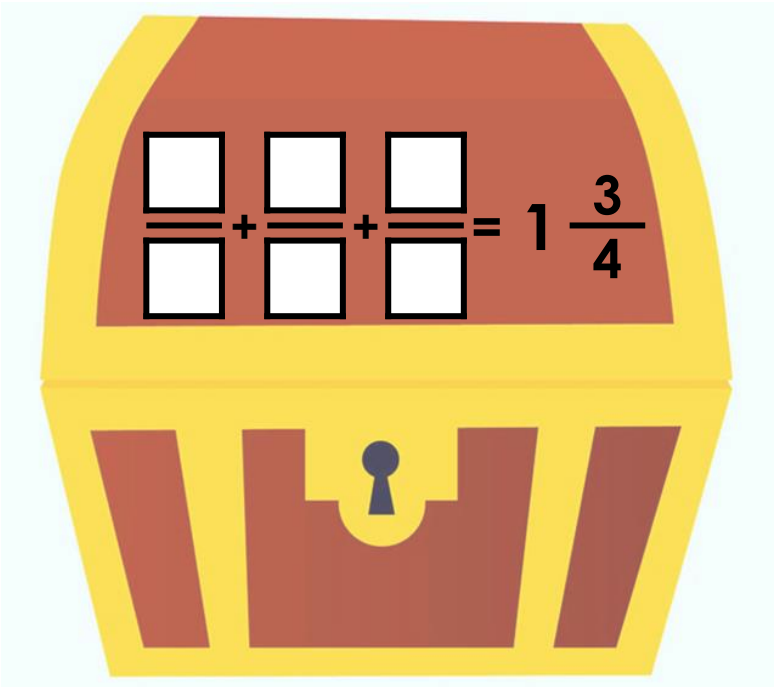
1. Jane is camping and needs to cross the river to get to the campsite. She can only cross if she steps on three stepping stones that total a fraction between $1\frac{1}{2}$ and 2.



Explore the different combinations of stepping stones that Jane can use.

DP

2. The missing calculation below, once completed correctly, will unlock the treasure chest.



4	12	9
5	6	10
8	1	24
3	16	14

Explore the different combinations of proper fractions that will release the treasure. You can only use each card once in a combination.

DP

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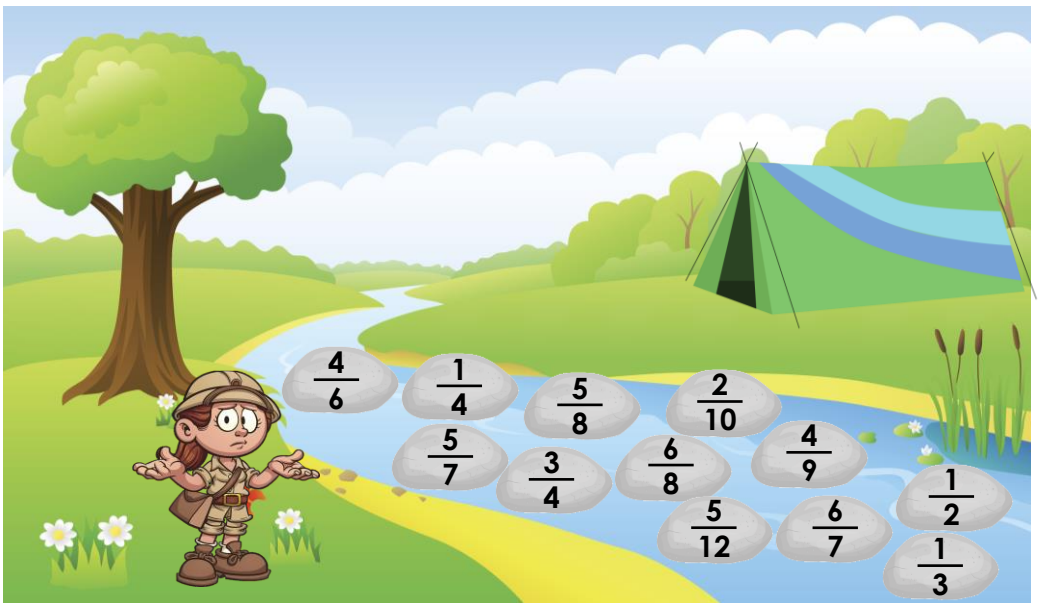
Add Fractions

1. Jane is camping and needs to cross the river to get to the campsite. She can only cross if she steps on three stepping stones that total a fraction between $1\frac{1}{2}$ and 2.

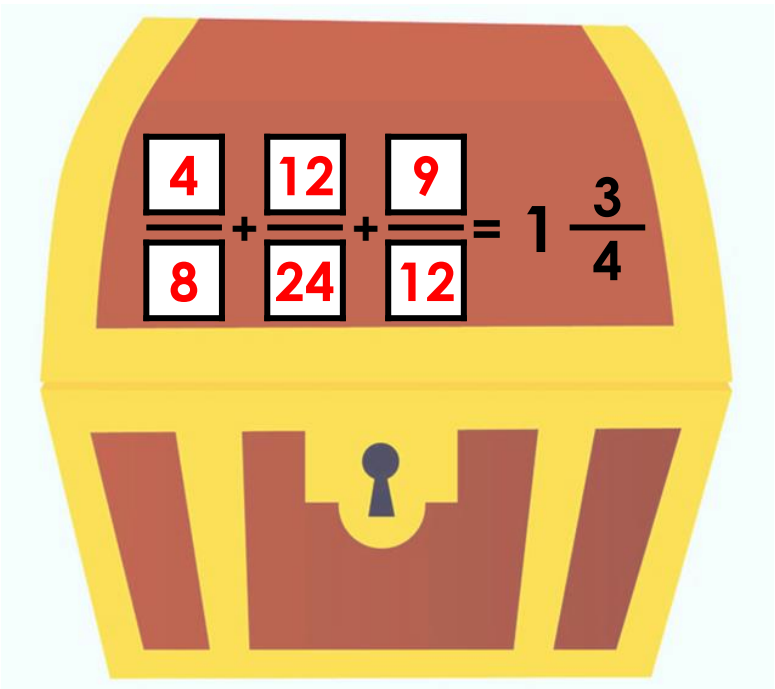


Explore the different combinations of stepping stones that Jane can use.

Various answers, for example: $\frac{3}{4} + \frac{6}{8} + \frac{2}{10} = 1\frac{7}{10}$

DP

2. The missing calculation below, once completed correctly, will unlock the treasure chest. Various answers, for example:



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