



Divide Fractions by Integers (2)



Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.





Aim

• Divide proper fractions by whole numbers.



Divide Fractions by Integers (2) Diving

Look at the following calculation. Can you explain how the diagrams have been used to help solve the calculation?

$$\frac{4}{5} \div 3 = \frac{12}{15} \div 3 = \frac{4}{15}$$



 $\frac{4}{5}$ has been changed into an equivalent fraction that has a numerator that is a multiple of the divisor.

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Divide Fractions by Integers (2) Diving

Use the diagrams to help you solve the following calculation.

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





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Divide Fractions by Integers (2)

Daniel uses $\frac{5}{6}$ of a roll of wrapping paper to wrap four equal sized presents.

What fraction of the roll of wrapping paper does each present use?

Diving









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Deepest

Divide Fractions by Integers (2)

Work out the values of the symbols.









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Insert White Rose Aim

Dive in by completing your own activity!



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Need Planning to Complement this Resource?

National Curriculum Aim

Divide proper fractions by whole numbers.



