Reasoning and Problem Solving – Equivalent Fractions

National Curriculum Objectives:

Mathematics Year 5: (5F2b) <u>Identify, name and write equivalent fractions of a given fraction, represented</u> visually, including tenths and hundredths

Differentiation:

Developing Solving the calculations to find the values of the three missing numerators and denominators in the equivalent fractions. Fractions are in size order and always displaying the smallest fraction first. Fractions used are halves, tenths and quarters.

Secure Solving the calculations to find the values of the three missing numerators and denominators in the equivalent fractions. Fractions are in any order. Fractions used are quarters, fifths, tenths, twentieths and hundredths.

Mastery Solving the calculations to find the values of the four missing numerators and denominators in the equivalent fractions. Fractions are in any order. All fractions used including improper fractions.

More <u>Reasoning and Problem Solving</u> Resources.

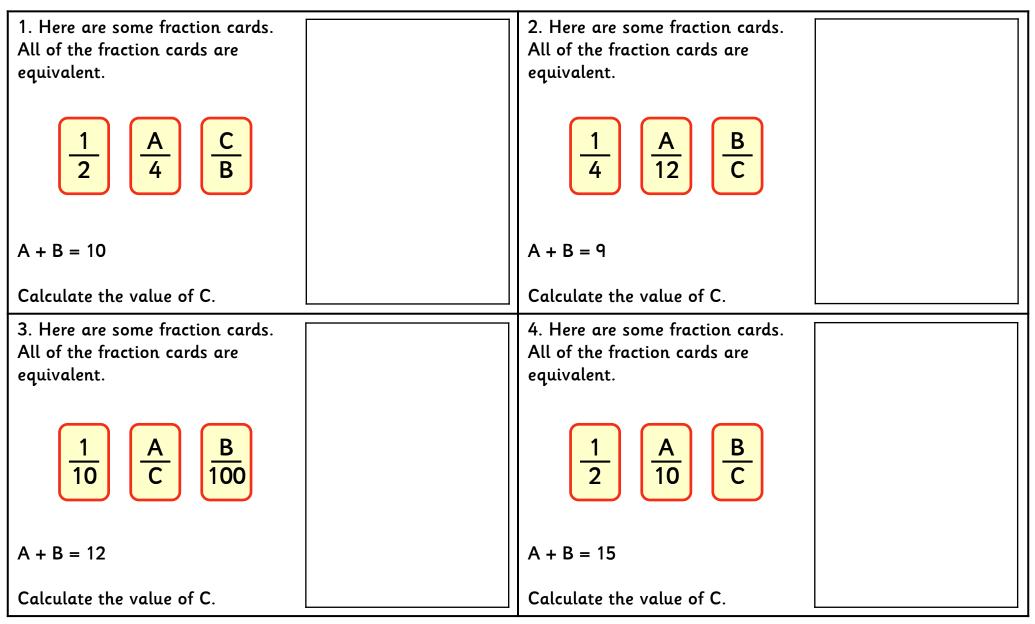
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Reasoning and Problem Solving - Equivalent Fractions - Teaching Information

<u>Reasoning and Problem Solving – Equivalent Fractions</u>

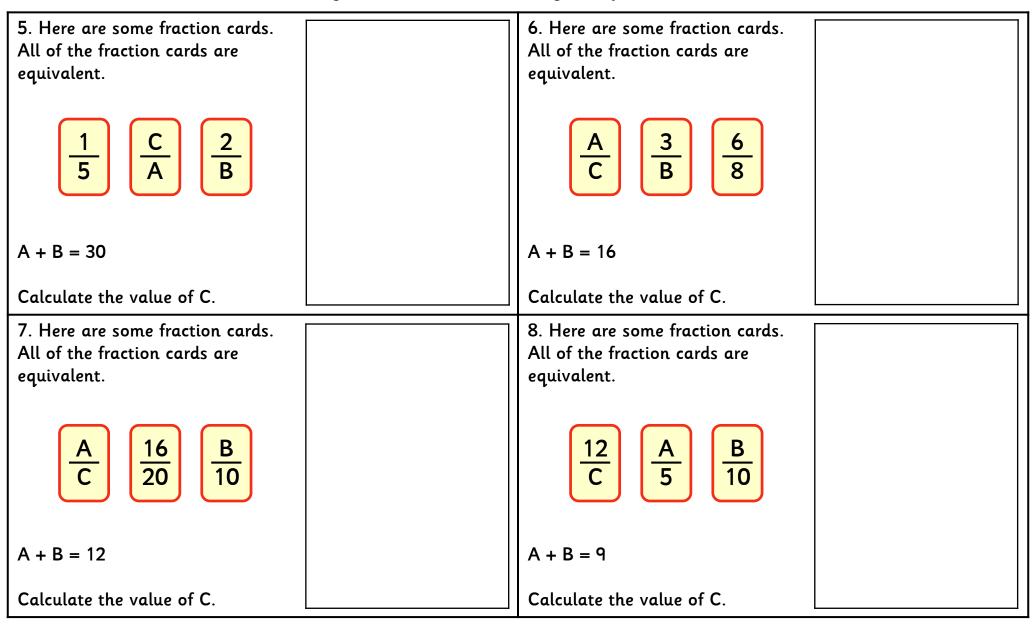


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Reasoning and Problem Solving - Equivalent Fractions - Year 5 Developing

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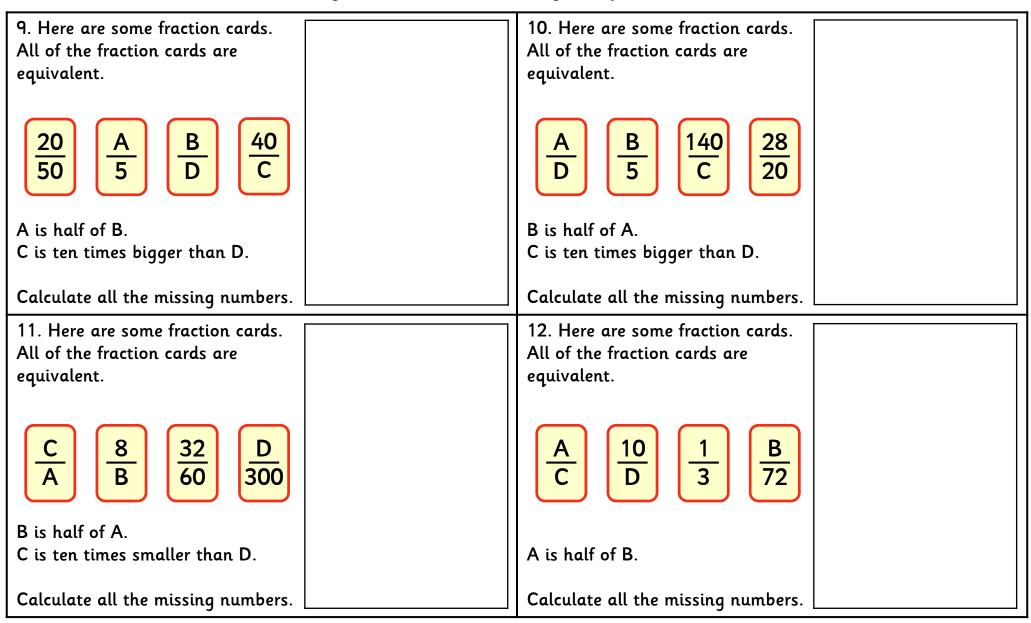


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Reasoning and Problem Solving – Equivalent Fractions – Year 5 Secure

<u>Reasoning and Problem Solving – Equivalent Fractions</u>



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Reasoning and Problem Solving – Equivalent Fractions – Year 5 Mastery

Developing

1. A = 2, B = 8 and C = 42. A = 3, B = 6 and C = 243. A = 2, B = 10 and C = 204. A = 5, B = 10 and C = 20

Secure

5. A = 20, B = 10 and C = 46. A = 12, B = 4 and C = 167. A = 4, B = 8 and C = 58. A = 3, B = 6 and C = 20

<u>Mastery</u> 9. A = 2, B = 4, C = 100 and D = 10 10. A = 14, B = 7, C = 100 and D = 10 11. A = 30, B = 15, C = 16 and D = 160 12. A = 12, B = 24, C = 36 and D = 30

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