

Problem Solving

Fill in the missing numbers.

How many different possibilities can you find for each equation?

$$2 \frac{\square}{8} = \frac{\square}{8}$$

$$2 \frac{\square}{5} = \frac{\square}{5}$$

Compare the number of possibilities you found.

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$$2\frac{1}{8} = \frac{17}{8} \quad 2\frac{2}{8} = \frac{18}{8}$$

$$2\frac{3}{8} = \frac{19}{8} \quad 2\frac{4}{8} = \frac{20}{8}$$

$$2\frac{5}{8} = \frac{21}{8} \quad 2\frac{6}{8} = \frac{22}{8}$$

$$2\frac{7}{8} = \frac{23}{8}$$

There will be 4 solutions for fifths.

Teacher notes:
Encourage children to make generalisations that the number of solutions is one less than the denominator.

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