

Fractions of a length and of a set

MODULE 3 · FRACTIONS AND FIRST DECIMALS NUMBER

★ STRETCH PROBLEMS

- 1 Cian's chocolate bar at break time is split into **16** equal squares. He wants to eat **$\frac{7}{8}$** of the whole bar. How many of the **16** squares must he eat?

To shade $\frac{7}{8}$ of a shape divided into 16 equal parts, how many parts must be shaded?

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- 2 In the school polytunnel, **$\frac{4}{5}$** of the seed trays are to be planted with peas. The polytunnel has **15** equal seed trays in a row. How many trays must be planted with peas?

To shade $\frac{4}{5}$ of a shape divided into 15 equal parts, how many parts must be shaded?

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- 3 Cara splits the class noticeboard into **14** equal sections for the reading charts. She wants to fill **$\frac{5}{7}$** of the noticeboard with star stickers. How many of the **14** sections must she cover?

To shade $\frac{5}{7}$ of a shape divided into 14 equal parts, how many parts must be shaded?

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- 4 For the class picnic, Aoife arranges **16** equal sandwich squares on a big tray. She wants to spread butter on **$\frac{3}{4}$** of the tray. How many of the **16** squares must she butter?

To shade $\frac{3}{4}$ of a shape divided into 16 equal parts, how many parts must be shaded?

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- 5 For an autumn art lesson, Aoife glues her leaves onto a grid divided into **16** equal squares. She wants to fill **$\frac{1}{4}$** of the grid with red leaves. How many squares must she fill with red leaves?

To shade $\frac{1}{4}$ of a shape divided into 16 equal parts, how many parts must be shaded?

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$$\frac{1}{2}$$



$$\frac{1}{2}$$

NUMBER



$$\frac{1}{2}$$

