

Fractions of a length and of a set

 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?

- 2 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?

- 3 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?

- 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?

- 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?