

Mathematics

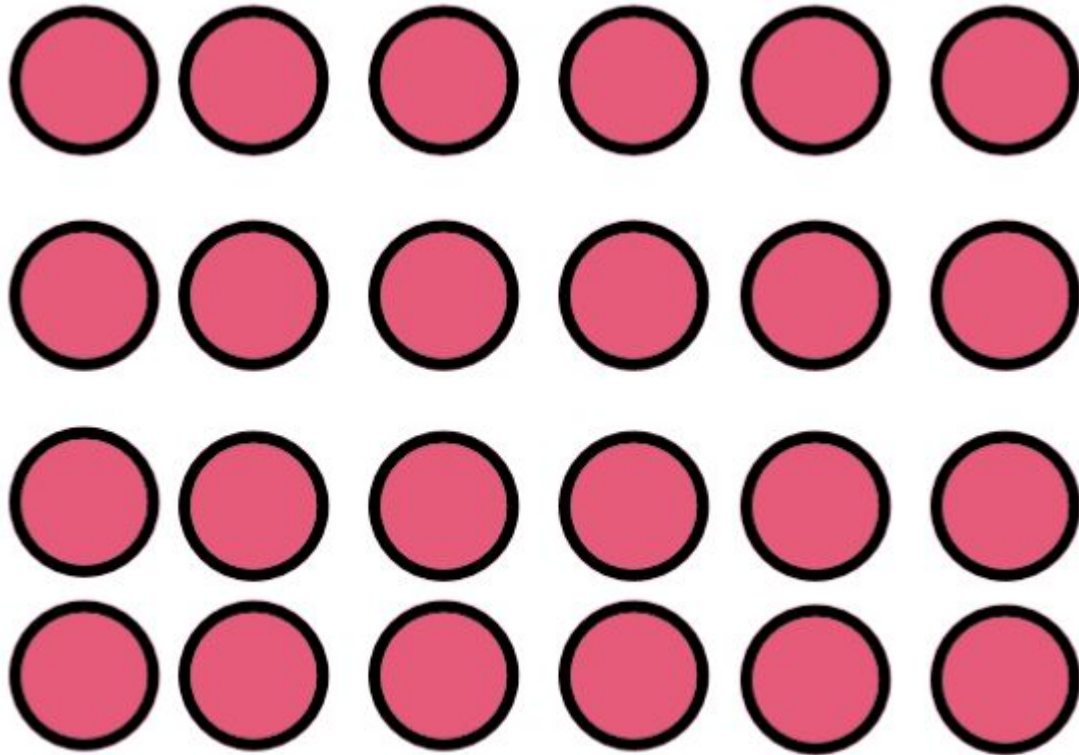
# Fractions of quantities 1

Mr Kelsall



# New learning: quantities

What other fractions of 24 can we find?



? of 24 = ?



# Develop learning: quantities

Stamps are sold in sheets of 24.

Amber uses three sheets.

Michael uses three quarters of a sheet.

How many stamps did each person use?



# Develop learning: quantities

Sort these questions into two groups

$\frac{1}{3}$  of 12

$\frac{1}{4}$  of 12

$12 \times \frac{1}{3}$

$12 \times \frac{1}{4}$

A third of 12

A quarter of 12

$\frac{1}{3}$  of a group of 12

$\frac{1}{4}$  of a group of 12



# Develop learning: quantities

Solve these questions and represent in a bar model

$\frac{1}{5}$  of 10

$\frac{2}{3}$  of 9

$\frac{1}{4} \times 16$

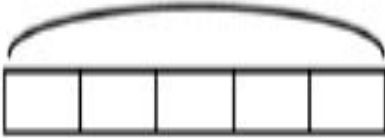
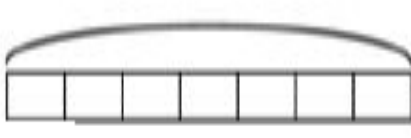
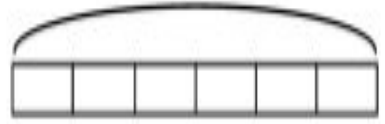
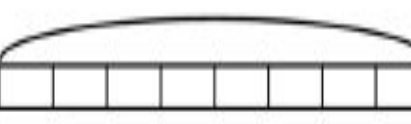
Two fifths of 20

A third of a group of fifteen



# Independent task

Match the question to the bar model and fraction

<p>A newsagent receives an order of 85 newspapers a day. At 13:00 they have sold three fifths of the newspapers. How many have been sold?</p>	<p>Anthony is completing a 18 kilometre run. So far he has run five sixths of the distance. How far has he run?</p>		
<p>A scooter costs £49. Isla has one seventh of the price left to save. How much more money does she have?</p>	<p>Oscar has 128 football cards. He gives away one eighth of them. How many did he keep?</p>		

$$\frac{7}{8} \times 128 =$$

$$\frac{3}{5} \times 85 =$$

$$\frac{5}{6} \times 18 =$$

$$\frac{6}{7} \times 49 =$$

