Maths

Mrs Dennett



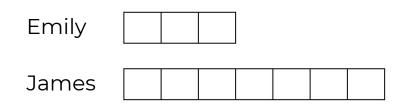
1. Emily and James share some sweets in the ratio 3 : 7

Emily gets 15 sweets.

How many sweets does James get?

You can use the bar model to help

you.



2. The side lengths of a triangle are inthe ratio 2:5:6The length of the smallest side is 12 cm

a) Find the length of the longest side.

b) Calculate the perimeter of the triangle.

3. On a train there are adults and children in the ratio of 5 : 2

There are 36 children on the train.

10% of the adults leave the train at the

next stop.

How many adults are left on the train?

4. Here is a rectangle.



The ratio of the length to the width is 5:3. a) Find the length of the rectangle.

b) Write the ratio of the width to the perimeter in its simplest form.

# Answers

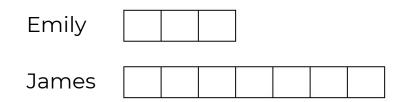
1. Emily and James share some sweets in the ratio 3 : 7

Emily gets 15 sweets.

How many sweets does James get?

You can use the bar model to help

you.



#### James gets 35 sweets.

2. The side lengths of a triangle are inthe ratio 2 : 5 : 6The length of the smallest side is 12 cm

a) Find the length of the longest side.

#### 36 cm

b) Calculate the perimeter of the triangle.

78 cm

3. On a train there are adults and children in the ratio of 5 : 2

There are 36 children on the train.

10% of the adults leave the train at the

next stop.

How many adults are left on the train?

There are 81 adults left on the train.

4. Here is a rectangle.



The ratio of the length to the width is 5:3.

a) Find the length of the rectangle.

#### 17.5 cm

b) Write the ratio of the width to the perimeter in its simplest form.