L3	WALT: I can find a fraction of an amount	
🌶️	I can identify a fraction of an amount I can explain how to identify a fraction of an amount	
🌶️	I can identify a fraction of an amount I can show how to identify a fraction of an amount	
🌶️	I can identify a fraction of an amount	
Nasty Maths	In folder	

Recognising Fractions

Challenge

Find 1/5 of the array

Mega Challenge

Find $\frac{1}{8}$ Of 16

$\frac{1}{4}$ Of 120

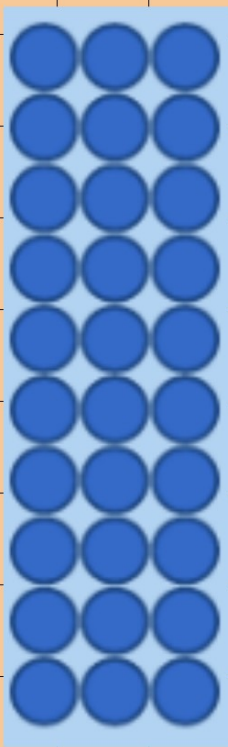Tell me how to find a unit fraction of an amount

Mega Challenge

Find $\frac{1}{8}$ Of 16

$\frac{1}{4}$ Of 120

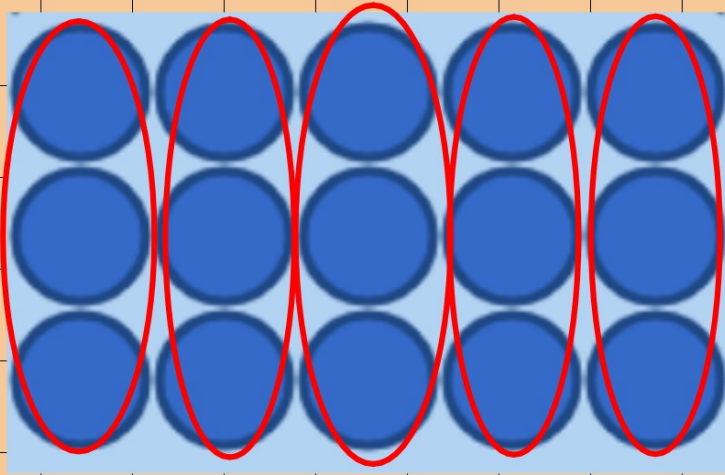Tell me how to find a unit fraction of an amount

To find a unit fraction of a set, you divide by the denominator of the fraction you want

$\frac{1}{10}$ of 30

3 0 ÷ 1 0

To find 1/5 of an amount, we would divide by 5.
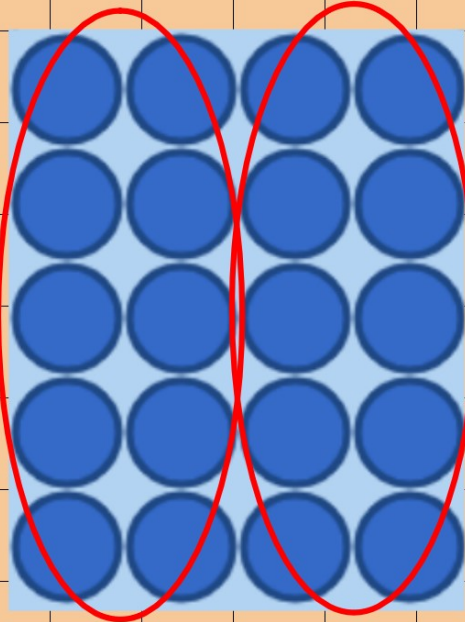
$$\frac{1}{5}$$

15 ÷ 5 = 3   5 X 3 = 1 5

To find 1/10 of an amount, we would divide by 10.
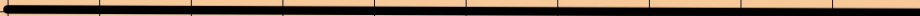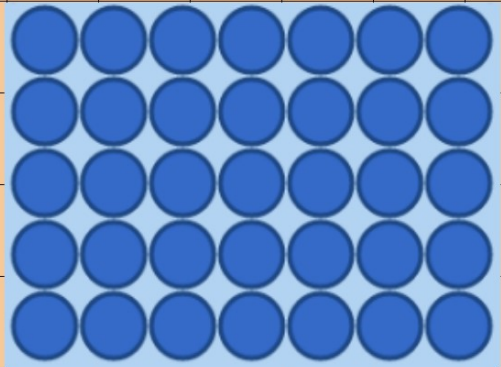
$$\frac{1}{10}$$

2 0 ÷ 10 = 2   2 X 1 0 = 2 0

I will hold up a unit fraction

You will tell me what I need to divide
by to find that fraction of a set.

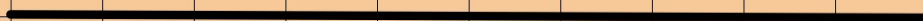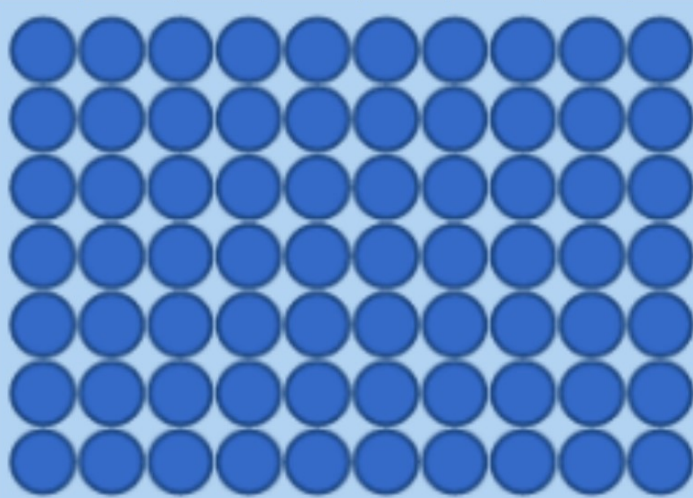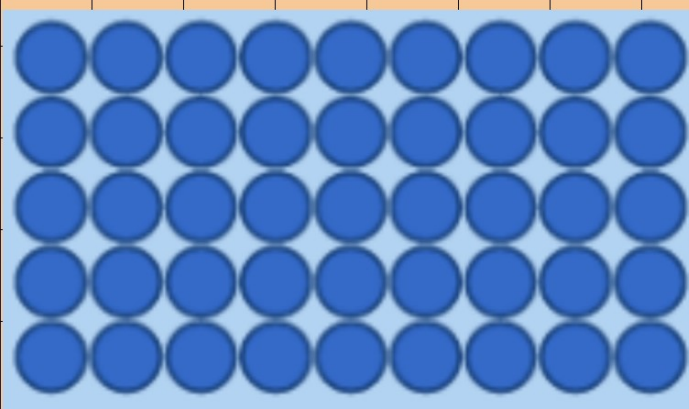I do

$$\frac{1}{5}$$ of 3 5

We do

$$\frac{1}{10} \text{ of } 7 \quad 0$$

1 0

You do

$\frac{1}{5}$ of 4 5

Plenary

Write a step by step guide of how to find a fraction of an amount.

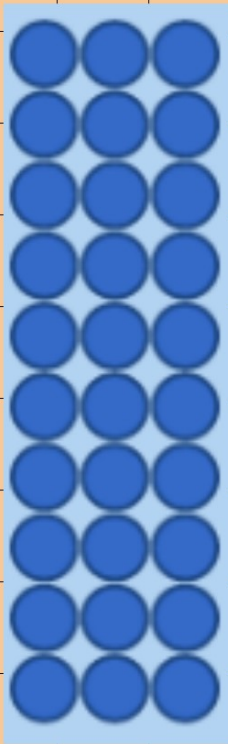| L 3	WALT: I can find a fraction of an amount	
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🌶️	I can identify a fraction of an amount	
Nasty Maths	In folder	

Recognising Fractions

To find a fraction of an amount, I ▮▮▮▮▮ the amount by the ▮▮▮▮▮▮▮▮ of the fraction I want.

To find a unit fraction of a set, you [____] by the [_____] of the fraction you want

$\dfrac{1}{10}$ of 30

3 0 ÷ [____]

To find 1/5 of an amount, we would divide by ☐

$$\frac{1}{5}$$

1 5 ÷ ☐ = 3   ☐ X 3 = 1 5

To find ▮ of an amount, we would divide by 10.

$$\frac{1}{\textcircled{10}}$$
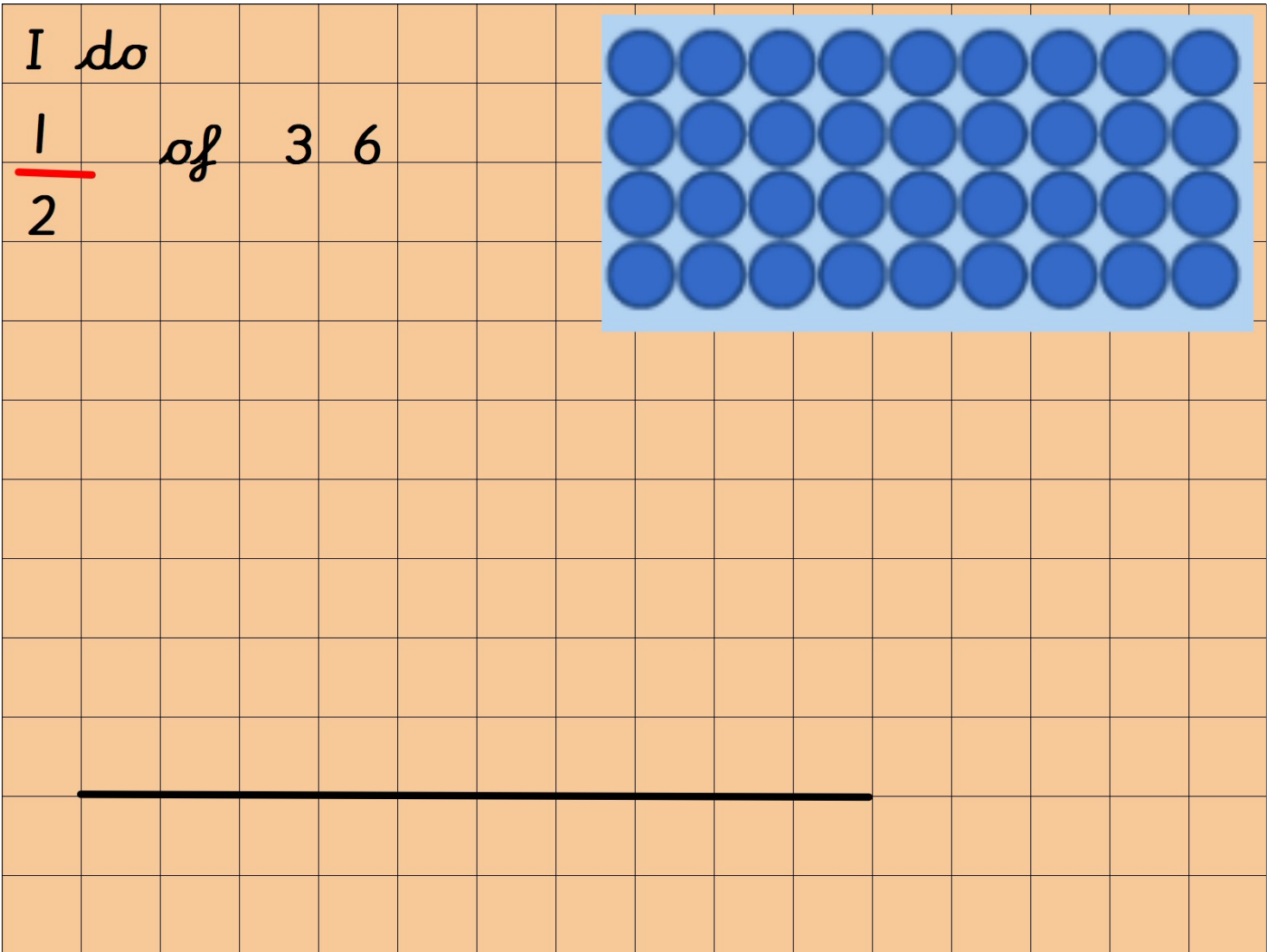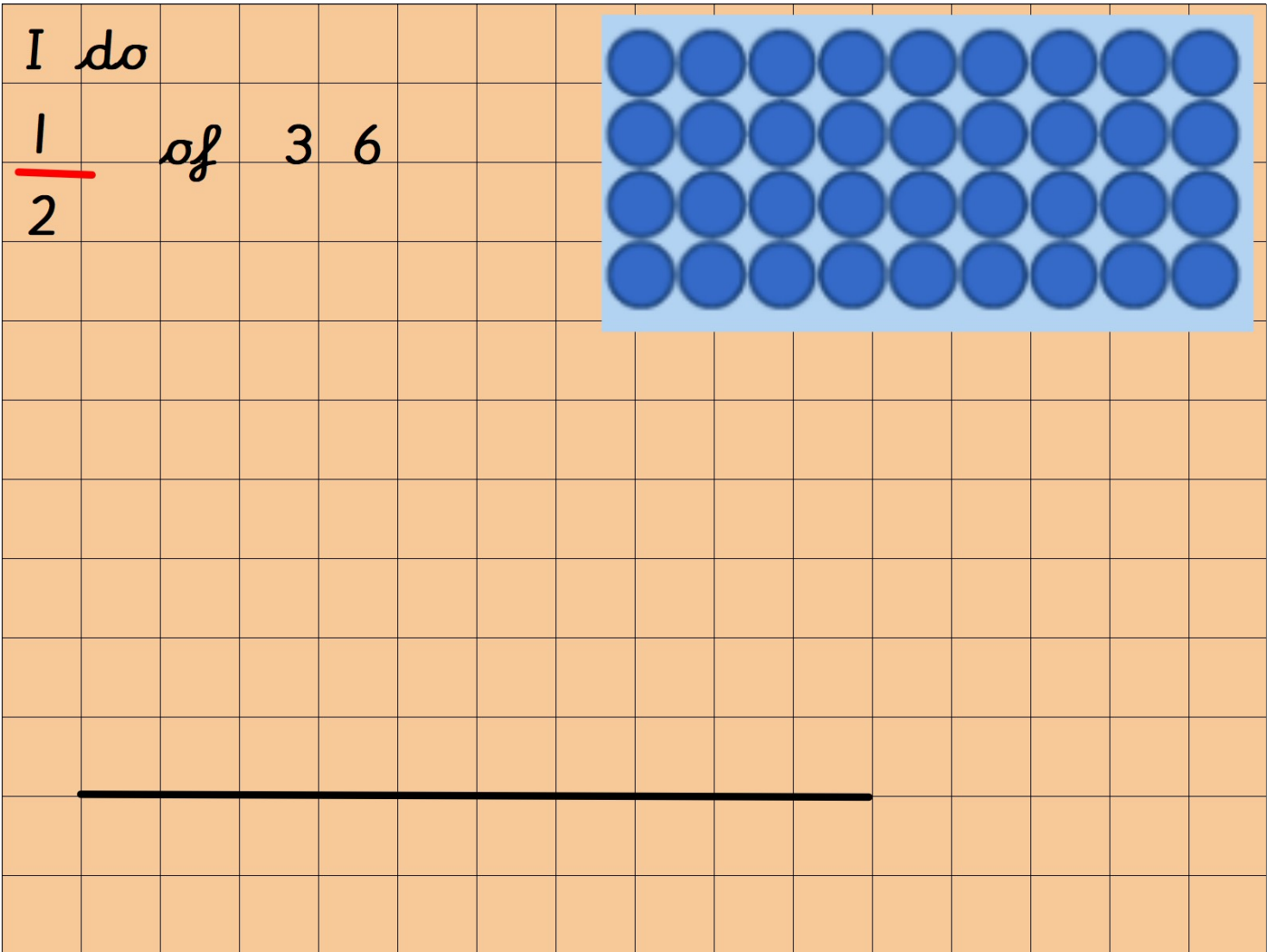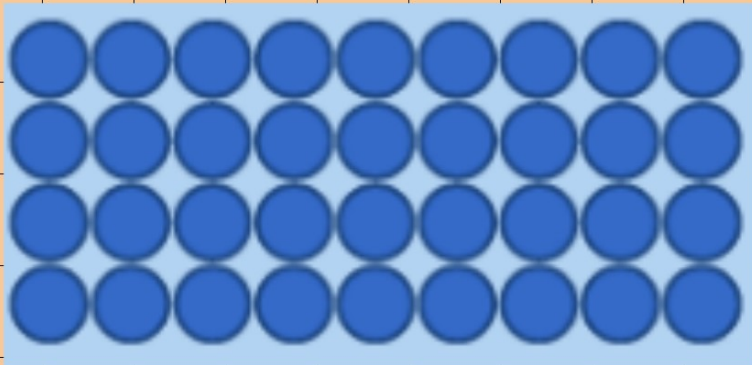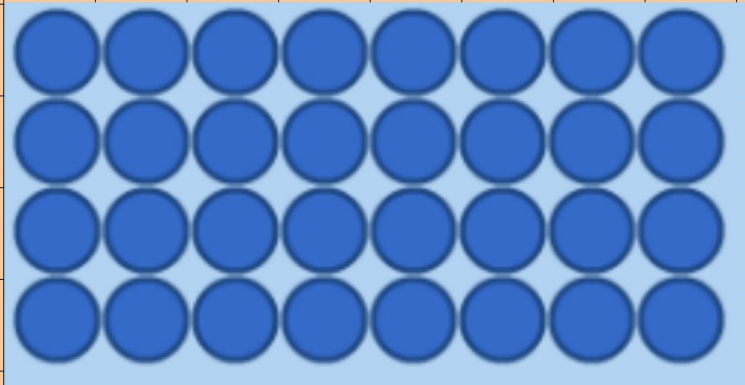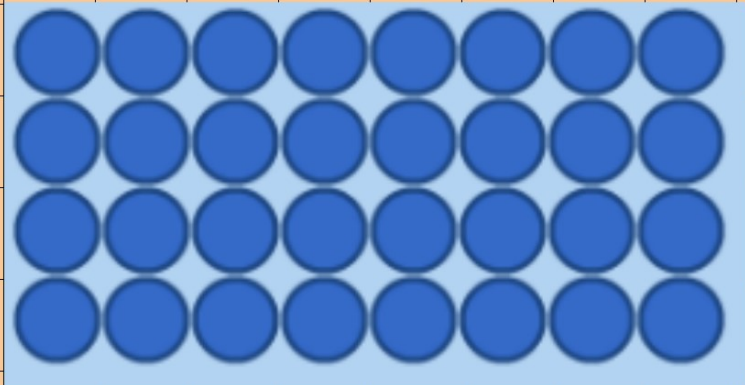
2 0 ÷ ▮ = 2   ▮ X 1 0 = 2 0

I do

$\frac{1}{2}$ of 3 6

We do

$\frac{1}{4}$ of 3 6

You do

$\frac{1}{8}$ of 3 2

<u>Plenary</u>

If I know $\frac{1}{2}$ of an amount, how can this help me

to find $\frac{1}{4}$ and $\frac{1}{8}$ of the same amount?

L3	WALT: I can find a fraction of an amount to solve a problem	
🌶️	I can identify a fraction of an amount I can prove I have found the correct fraction of an amount	
🌶️	I can identify a fraction of an amount I can explain how to find a fraction of an amount	
🌶️	I can find fractions of an amount using resources	
Nasty Maths		

Recognising Fractions

To find a fraction of an amount, I ⬛⬛⬛ the amount by the ⬛⬛⬛⬛ of the ⬛⬛⬛ I want.

We will need this to help us solve the word problems.

RUCSAC

Read
Read the question. What is the important information?

Understand
Understand the question. What do you need to find out?

Choose
Choose the correct method of calculation and operation(s).

Solve
Solve the problem. Make sure you follow the steps.

Answer
Answer the question. What were you meant to find out?

Check
Check your answer. Use the inverse to check your working out.

Tell me the important information in this question. We will need to underline it to help us remember.

There are 120 children at school. $\frac{1}{4}$ are boys.

How many boys are there?

What is the question asking us to do?

I do

320 people wanted to go to the football match.

$\dfrac{1}{8}$ of the people bought tickets and went.

How many people went to the match?

We do

In the Euro 2020 competiton, England scored 36 goals. Harry Kane scored $\frac{1}{4}$ of the goals.

How many goals did Harry Kane score?

You do

168 England fans were told not to travel to Italy.

$\frac{1}{8}$ of the England fans travelled to Italy anyway.
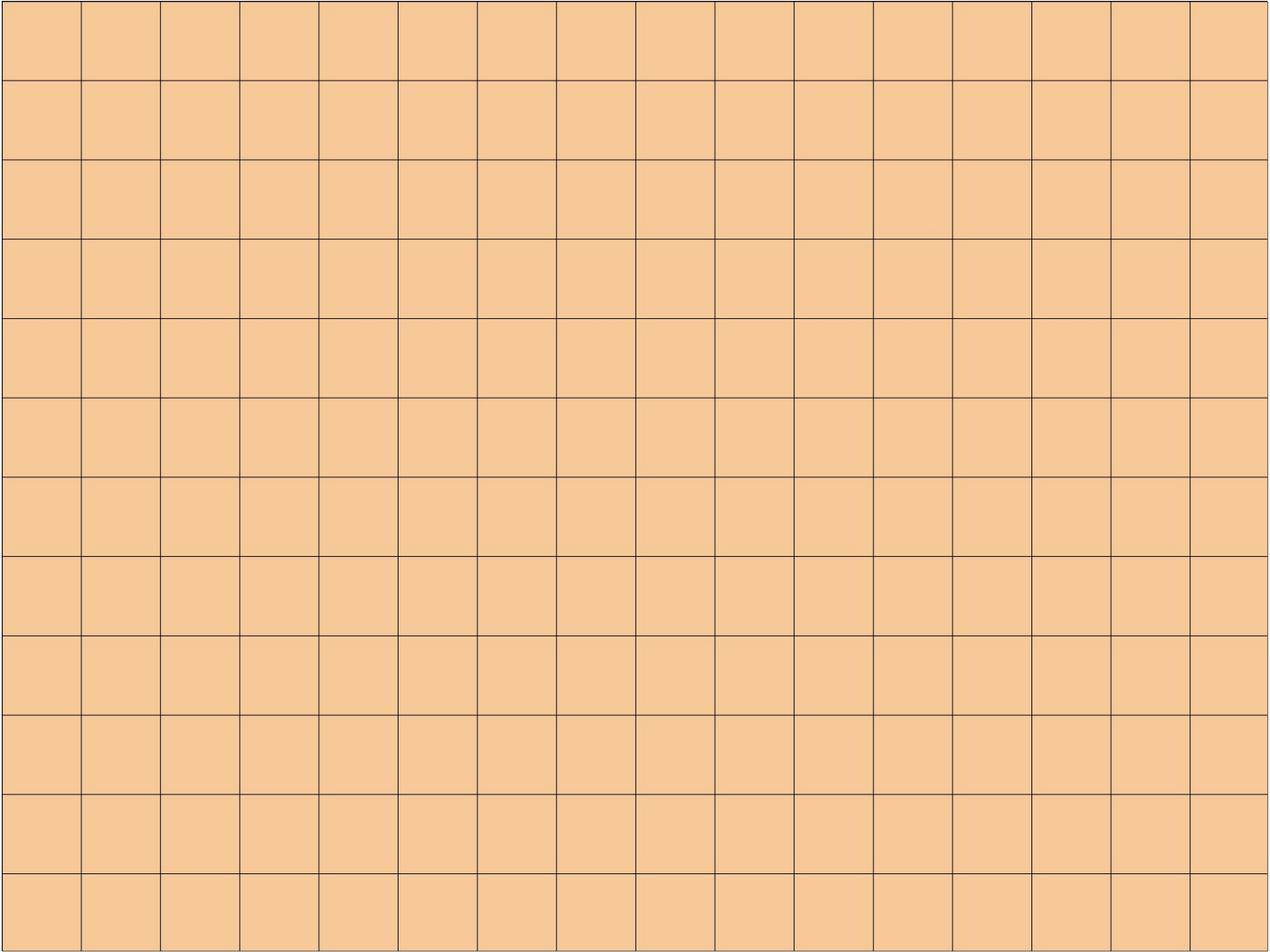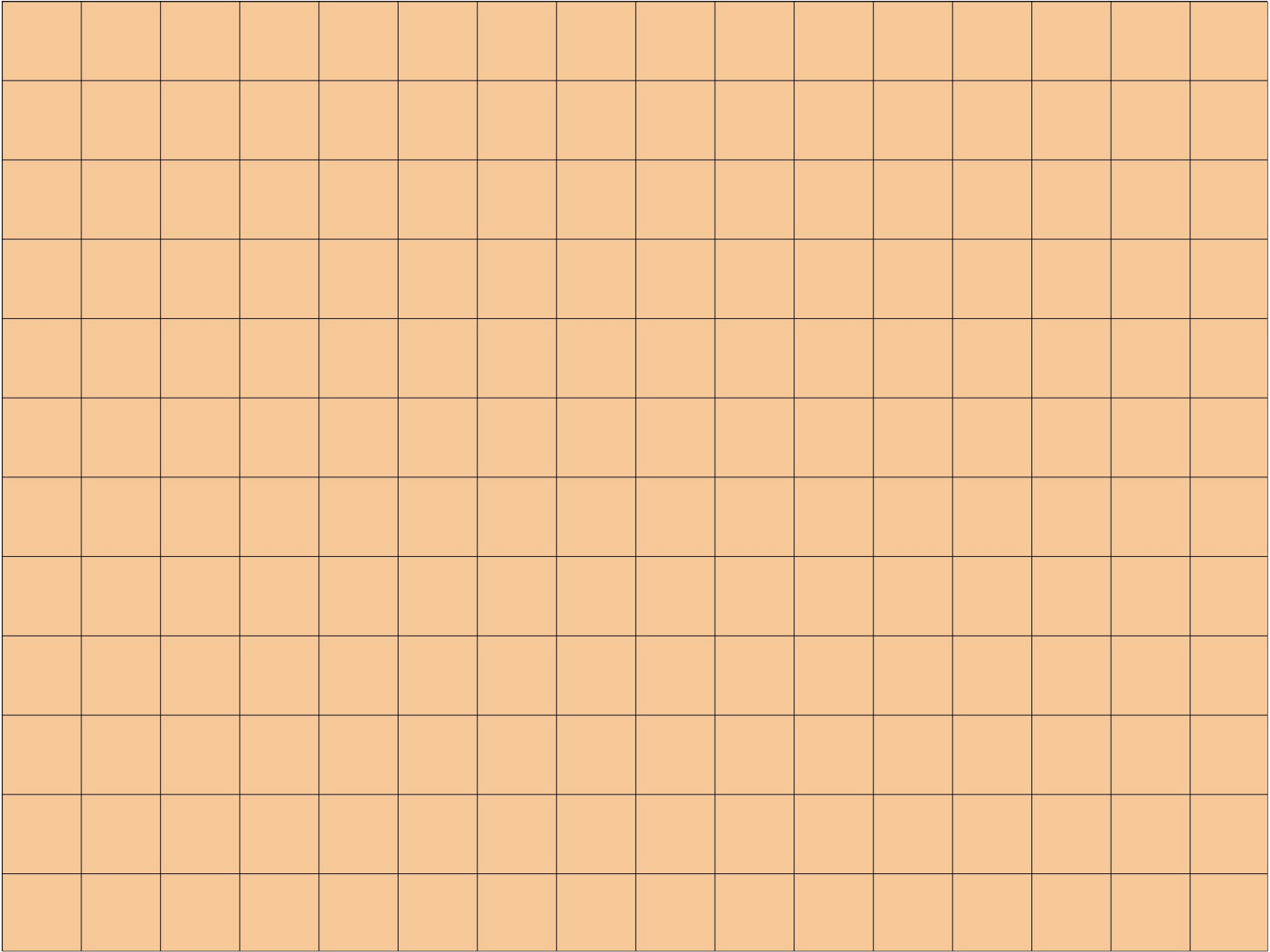
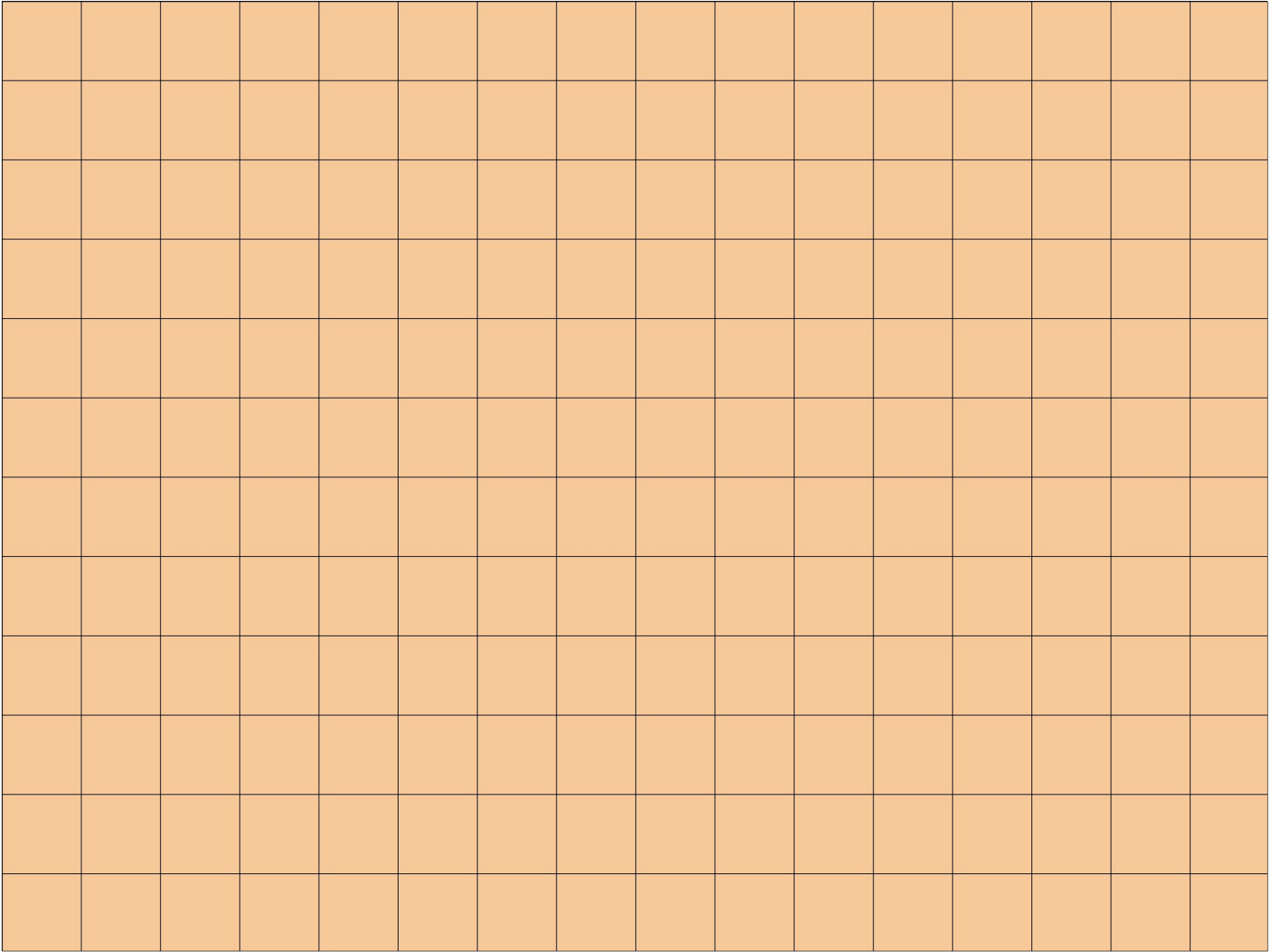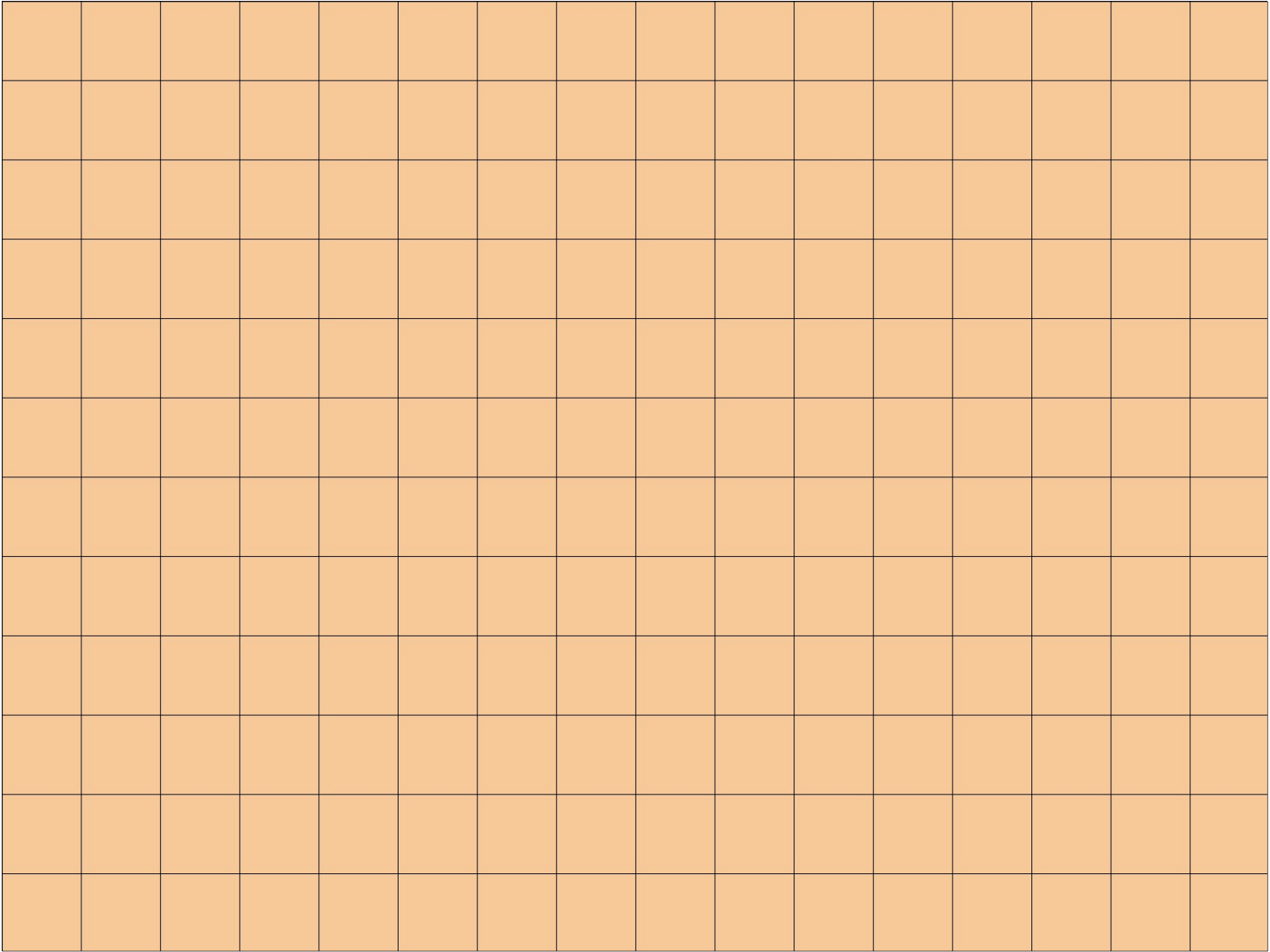How many England fans travelled to Italy?

Plenary

Tell your partner:

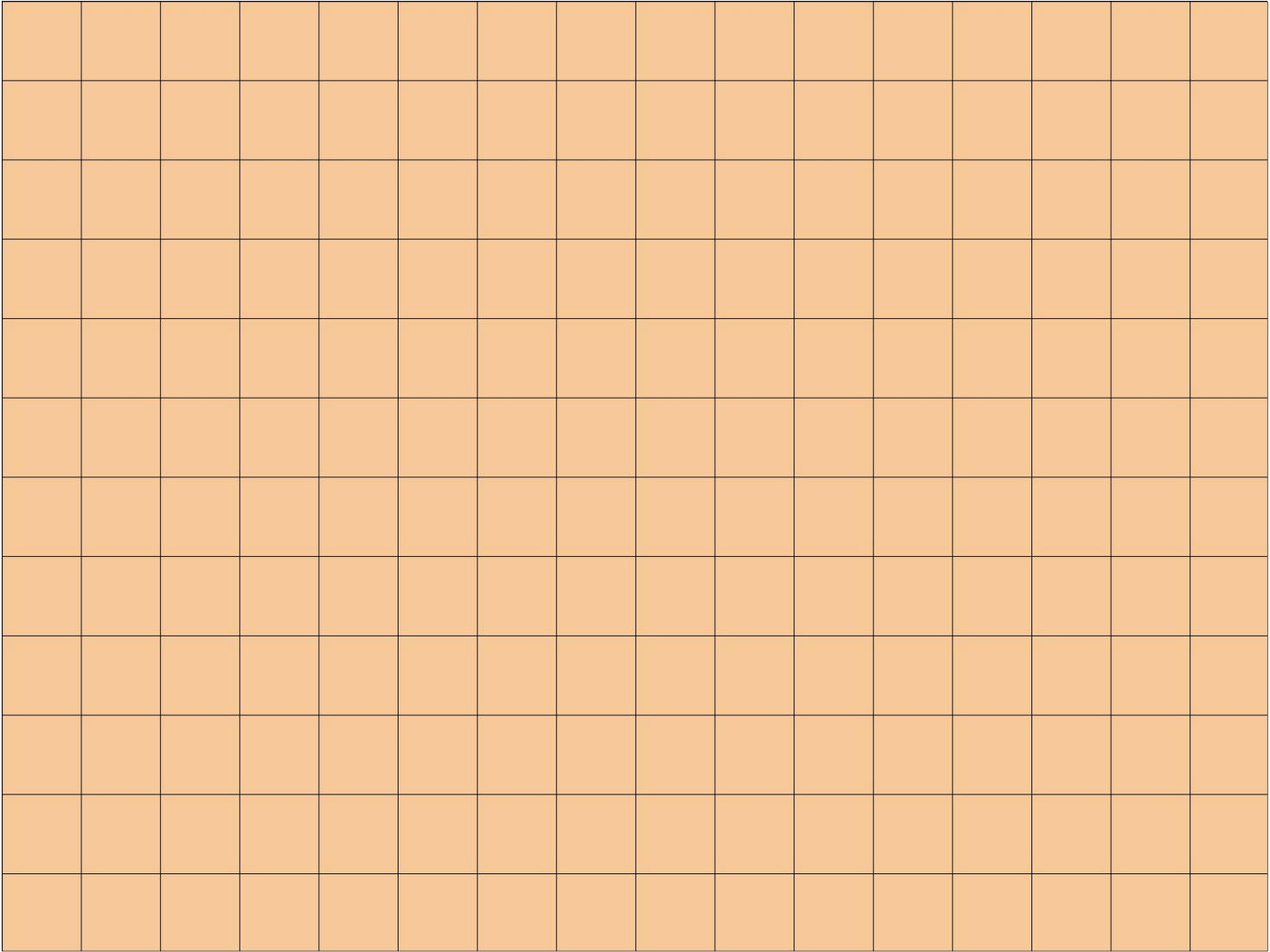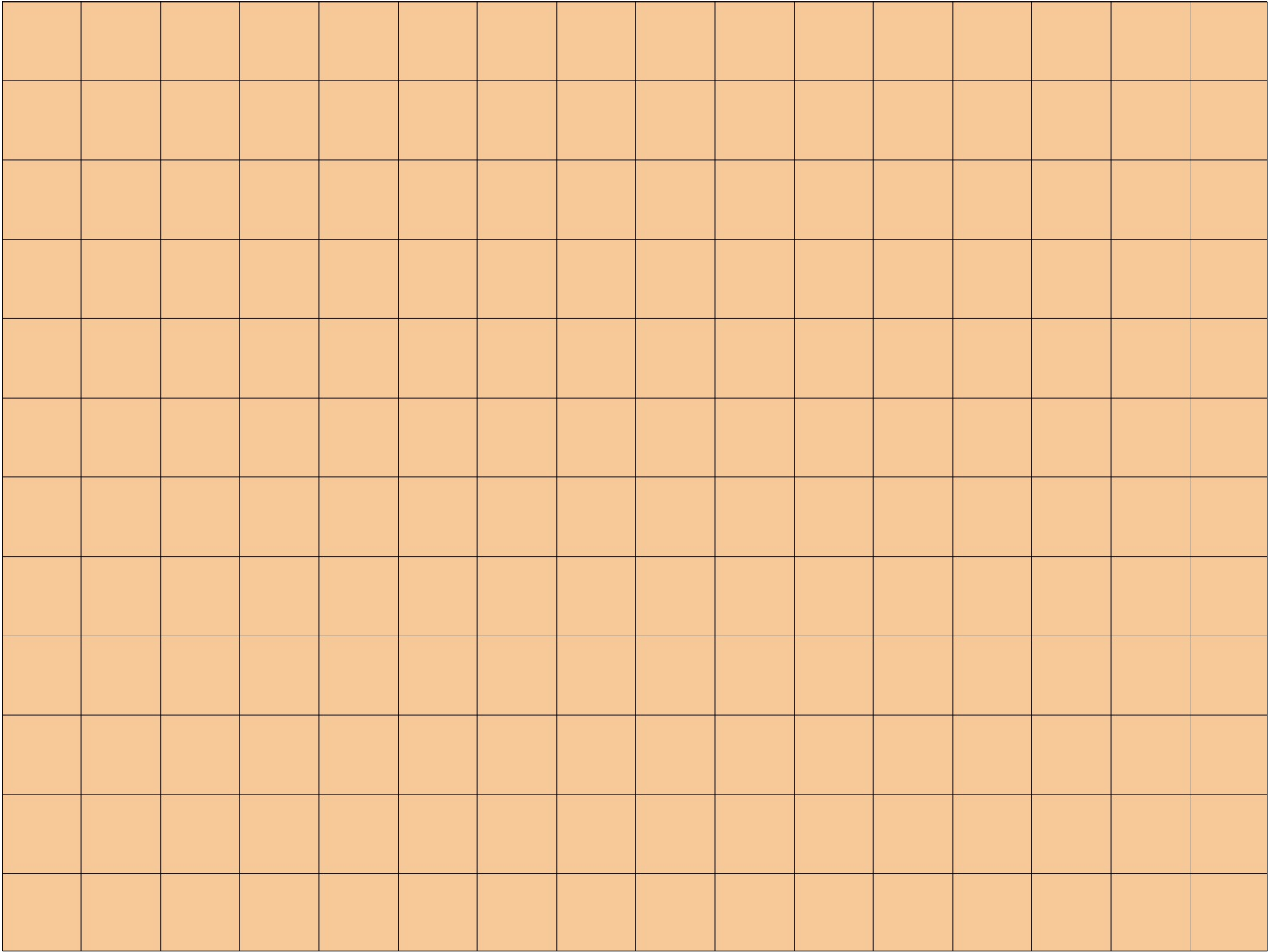How to solve a word problem.

How to find a fraction of an amount

RUCSAC
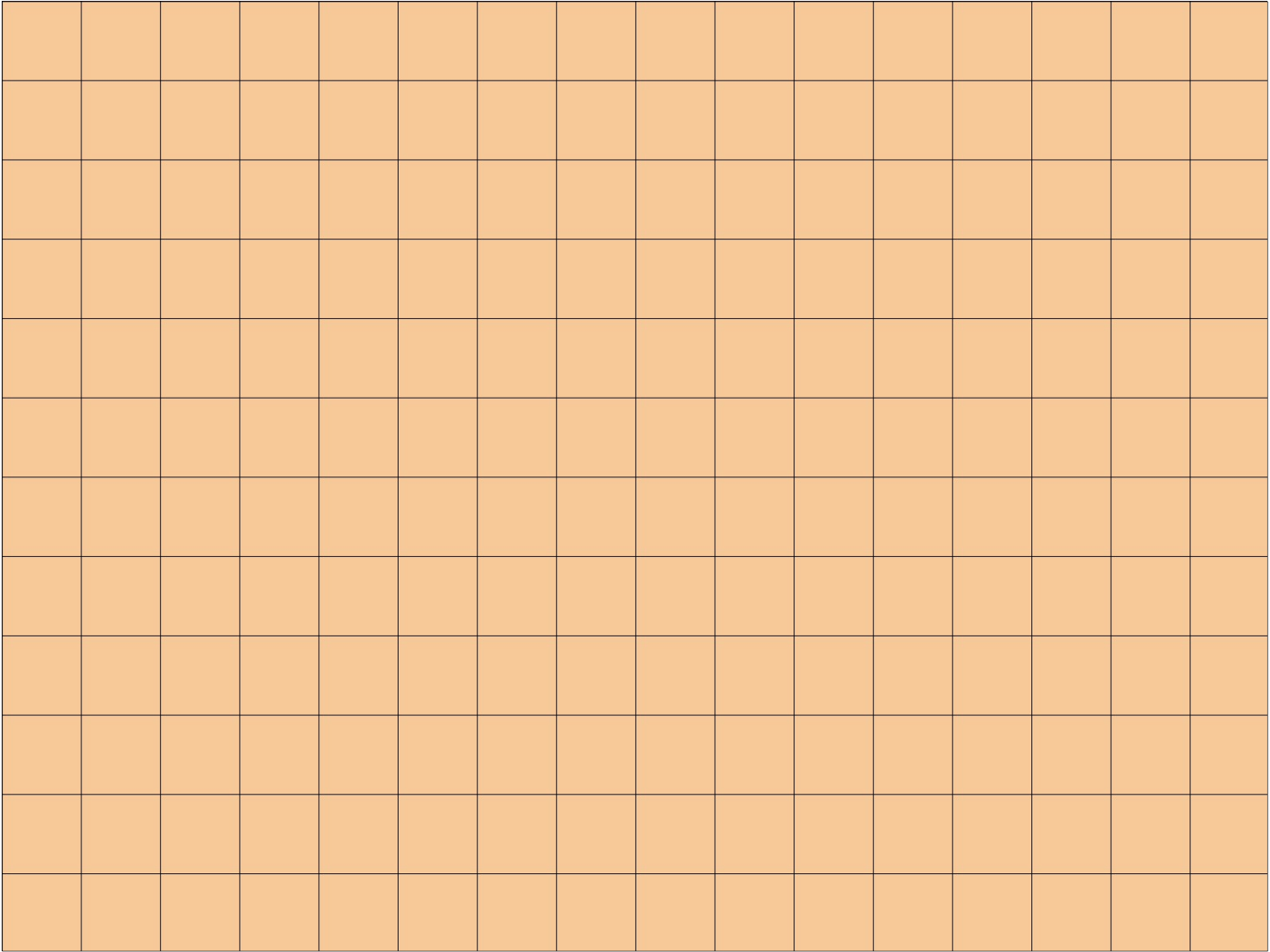
Read	Understand	Choose
Read the question. What is the important information?	Understand the question. What do you need to find out?	Choose the correct method of calculation and operation(s).

Solve	Answer	Check
Solve the problem. Make sure you follow the steps.	Answer the question. What were you meant to find out?	Check your answer. Use the inverse to check your working out.

Recap denominator etc