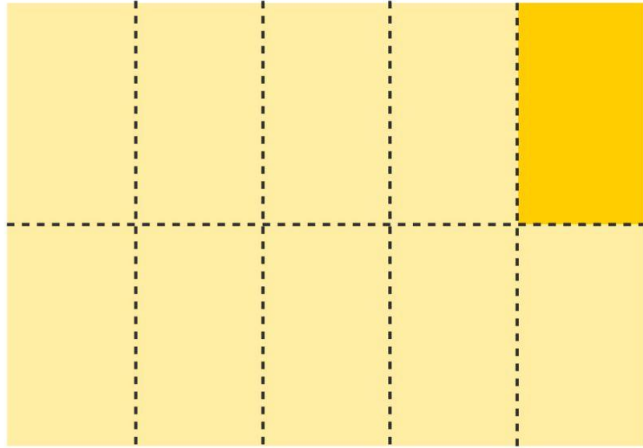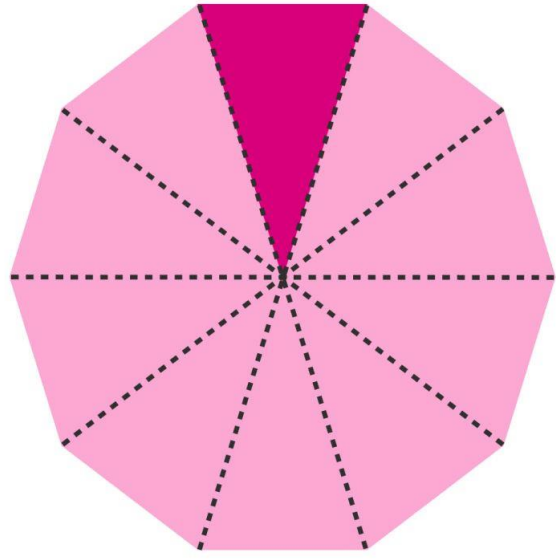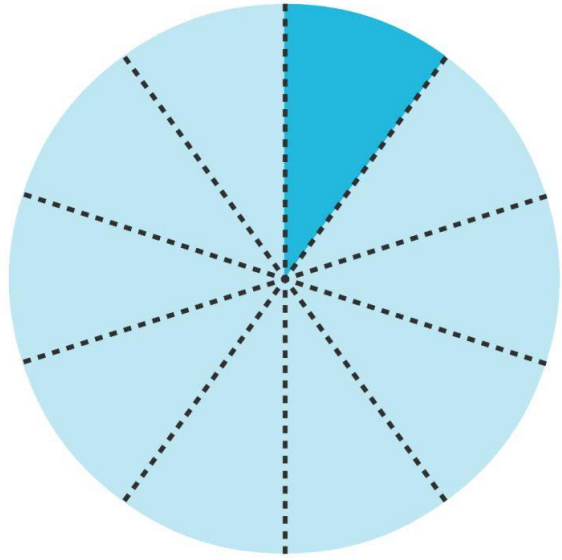# Year 4 Maths 1/3/21

RECALL
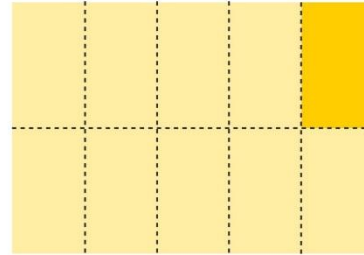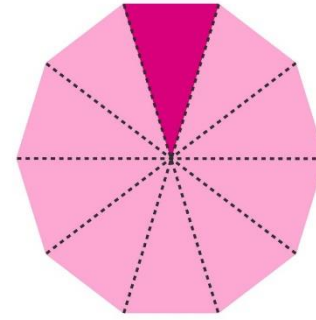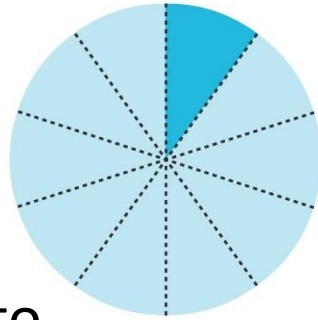

Can you see what is similar about each of these pictures?

RECALL answer

Each picture shows one whole split into ten equal parts.
In each picture, one of the parts is shaded.
Each picture shows **one tenth.**

We can write this as a fraction or a decimal number.

$$\frac{1}{10} = 0.1$$
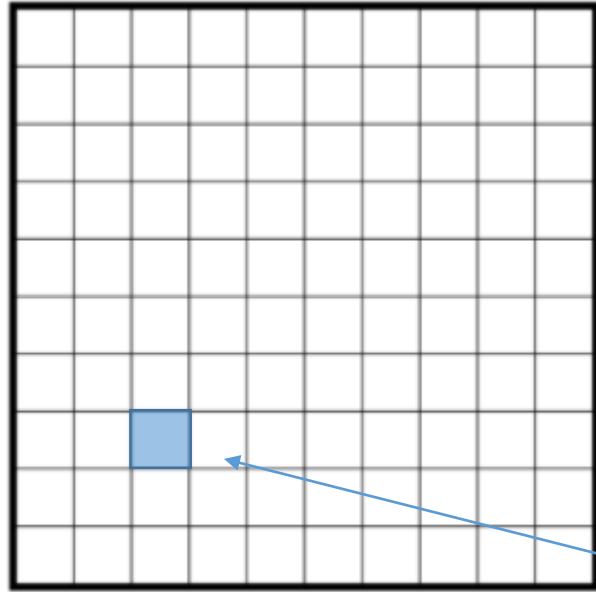
fraction = decimal

Today we are going to be learning about **hundredths**. If you split one whole into a hundred equal parts, each part would be a **hundredth**.

This square has been split into one hundred equal parts. Each small square is one hundredth of the whole square.

Each little square is one hundredth of the big square.

$$\frac{1}{100}$$

LO: I can understand hundredths

- SOME WILL EVEN convert from hundredths to tenths and vice versa
- SOME will recognise equivalence between hundredths and tenths
- MOST will show hundredths using a hundred square
- ALL will understand what a hundredth is

Guided practice

If we know that each small square is one hundredth of the big square, we can count how many hundredths are shaded.
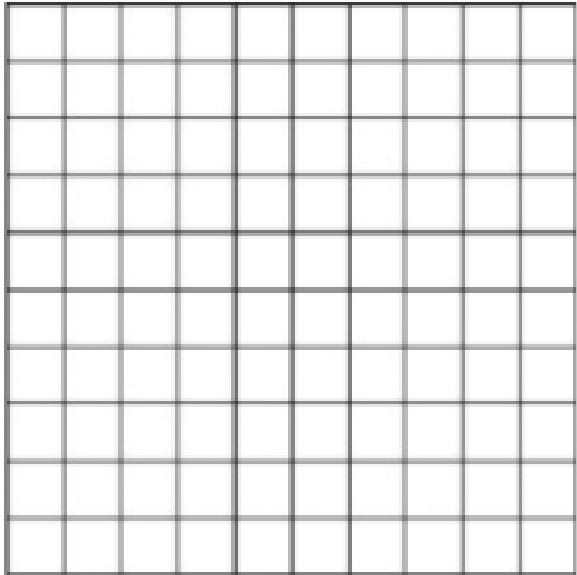
I can see that 26 small squares are shaded. That means 26 hundredths are shaded.

$$\frac{26}{100}$$
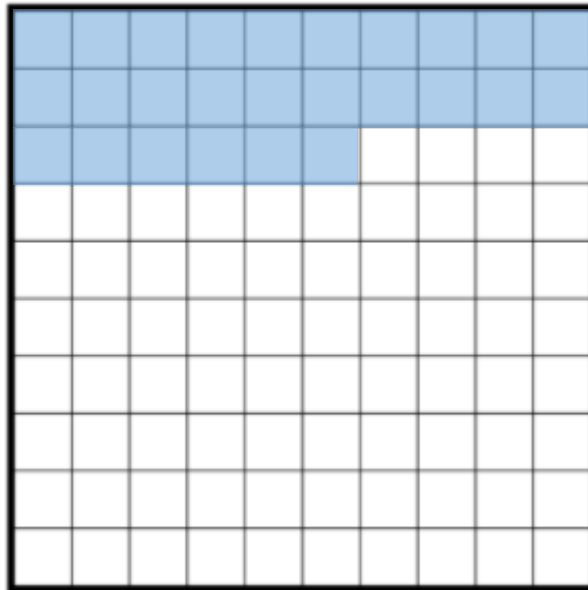
I can also see that ten hundredths is the same as one tenth.
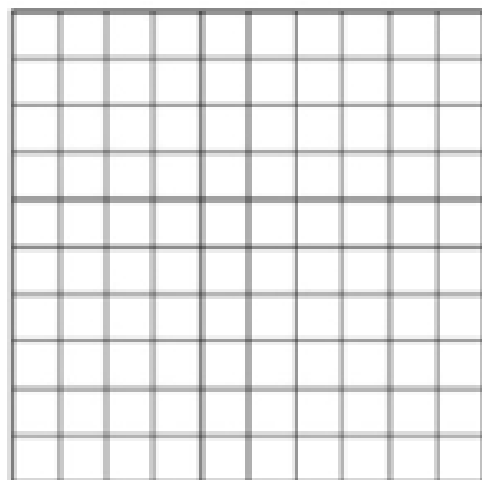
1 whole

1

1 tenth

or

10 hundredths

$$\frac{1}{10} = \frac{10}{100}$$

1 hundredth

$$\frac{1}{100}$$

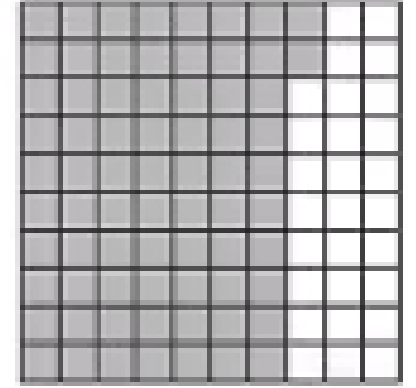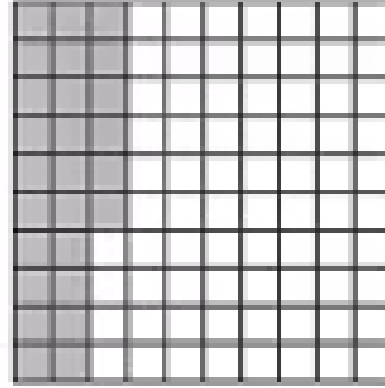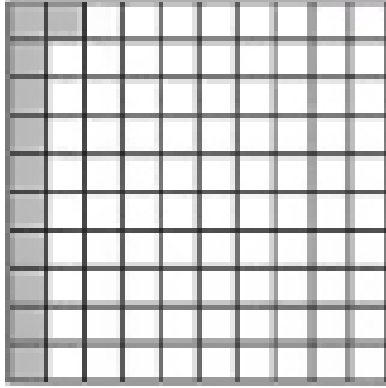| 1 whole	1 hundredth	1 tenth

1

$\dfrac{1}{100}$

or

10 hundredths

$\dfrac{1}{10} = \dfrac{10}{100}$
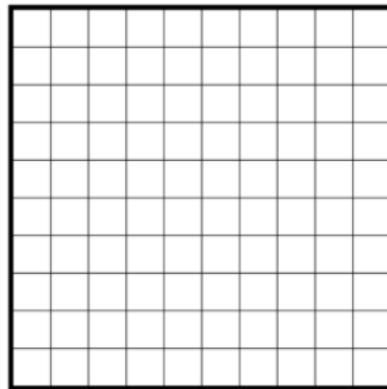
Intelligent practice

One chilli

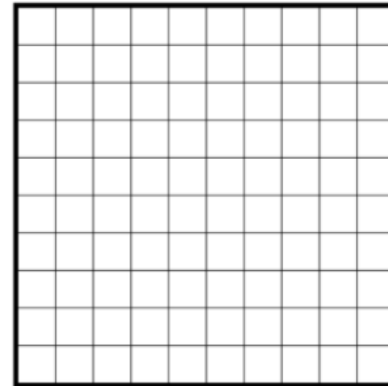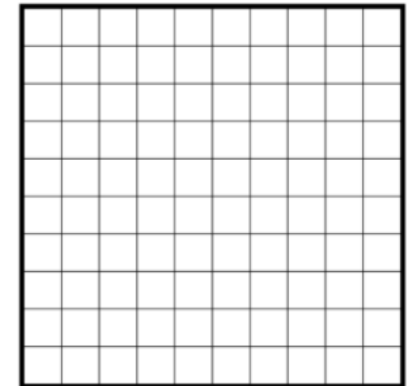How many hundredths are shown in each picture? Give each answer as a fraction.

Two chillies

Shade the fractions on the hundred squares.

31 hundredths
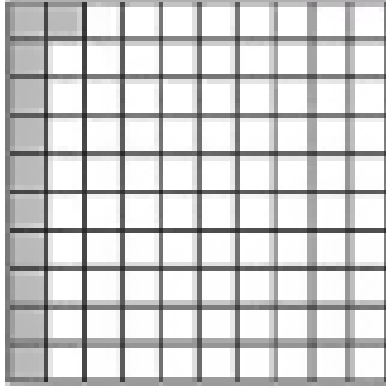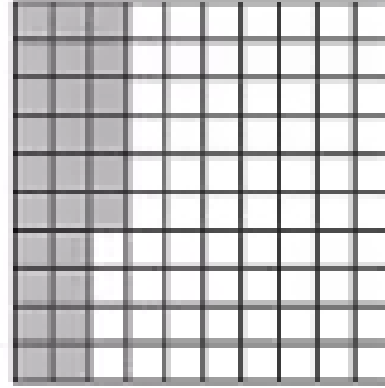
$$\frac{81}{100}$$

$$\frac{100}{100}$$

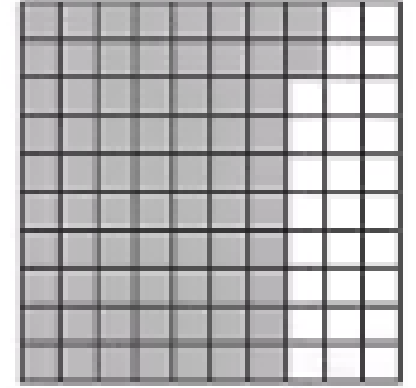# Intelligent practice answers

One chilli

How many hundredths are shown in each picture? Give each answer as a fraction.

$$\frac{11}{100}$$

$$\frac{26}{100}$$

$$\frac{72}{100}$$

Two chillies

Shade the fractions on the hundred squares.
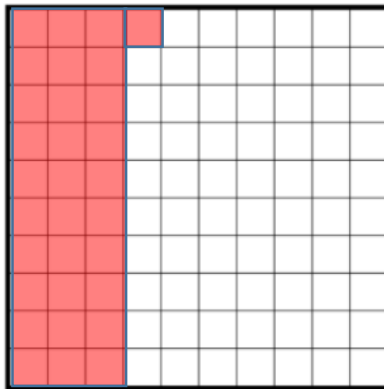
31 hundredths

Any 31 squares shaded
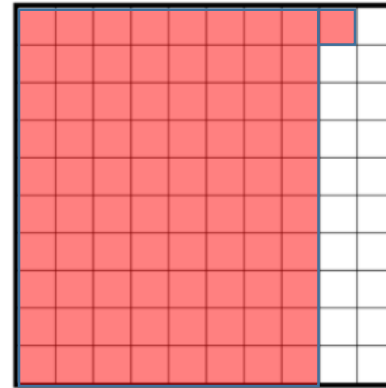
$$\frac{81}{100}$$ Any 81 squares shaded
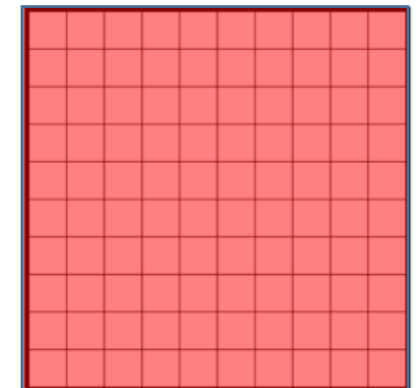
$$\frac{100}{100}$$

Three chillies

Shade:

2 tenths and 4 hundredths
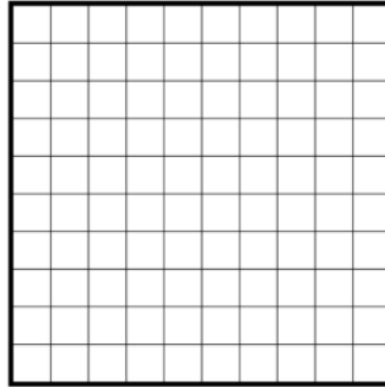
6 tenths and 6 hundredths
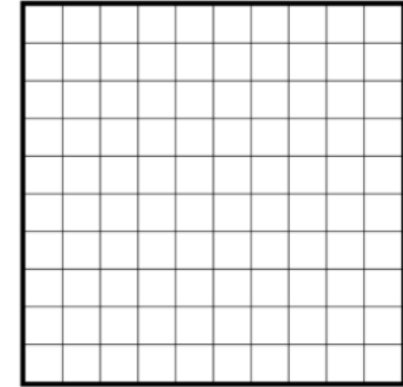
4 tenths and 13 hundredths

Complete the sentences:

Two wholes is the same as _____ hundredths.

One half is the same as _____ hundredths.

One quarter is the same as _____ hundredths.

Two and three quarters is the same as _____ hundredths.

Three chillies answers

Shade:

2 tenths and 4 hundredths

Any 24 squares shaded

6 tenths and 6 hundredths

Any 66 squares shaded
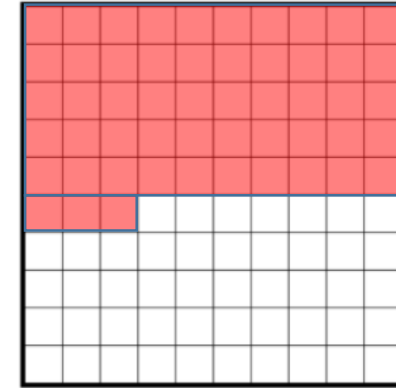
4 tenths and 13 hundredths

Any 53 squares shaded

Complete the sentences:

Two wholes is the same as 200 hundredths.
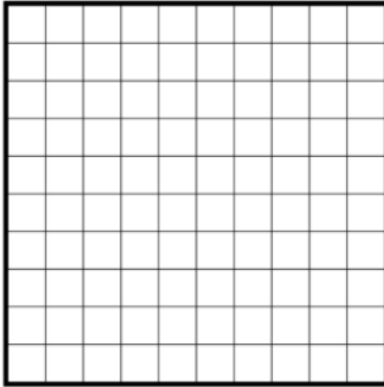
One half is the same as 50 hundredths.

One quarter is the same as 25 hundredths.

Two and three quarters is the same as 275 hundredths.

Dive deeper

Here is a Rekenrek made from 100 beads.

If the Rekenrek represents one whole, what fractions have been made on the left and on the right?
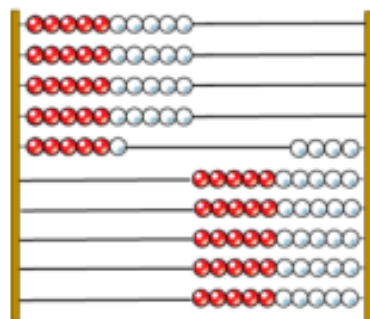
Can you partition both of the fractions into tenths and hundredths?

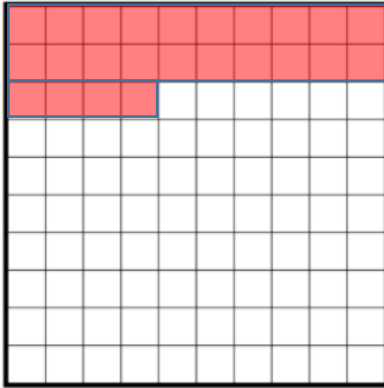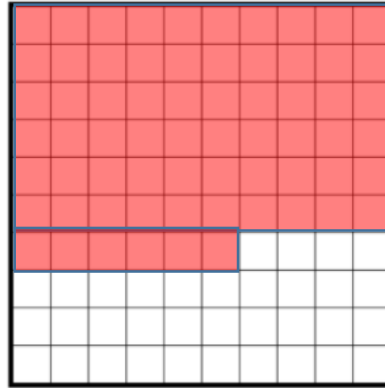Complete the statements.

3 tenths and 2 hundredths = 2 tenths and ☐ hundredths

14 hundredths and 3 tenths = 4 tenths and ☐ hundredths

5 tenths and 1 hundredth < 5 tenths and ☐ hundredths

5 tenths and 1 hundredth > ☐ tenths and 5 hundredths

Can you list all the possibilities?

Dive deeper answers

Here is a Rekenrek made from 100 beads.

If the Rekenrek represents one whole, what fractions have been made on the left and on the right?

Can you partition both of the fractions into tenths and hundredths?

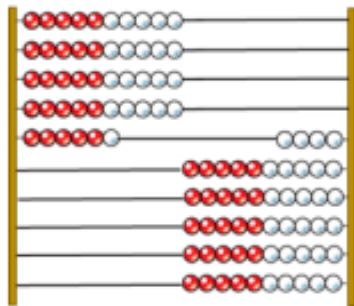On the left, there are 46 hundredths, this is equivalent to 4 tenths and 6 hundredths.
On the right, there are 54 hundredths, this is equivalent to 5 tenths and 4 hundredths.

Children could also explore hundredths using a 100 bead string.

Complete the statements.

3 tenths and 2 hundredths = 2 tenths and ☐ hundredths

14 hundredths and 3 tenths = 4 tenths and ☐ hundredths

5 tenths and 1 hundredth < 5 tenths and ☐ hundredths

5 tenths and 1 hundredth > ☐ tenths and 5 hundredths

Can you list all the possibilities?

12	
4	
Anything more than 1	
0, 1, 2, 3 or 4	

Self assessment: how did you do?

- SOME WILL EVEN convert from hundredths to tenths and vice versa

Did you get the DD2 questions right?

- SOME will recognise equivalence between hundredths and tenths

Did you get the three chilli questions right?

- MOST will show hundredths using a hundred square

Did you get the one and two chilli questions right?

- ALL will understand what a hundredth is

Can you explain what a hundredth is? Can you show a hundredth on a hundred square?