

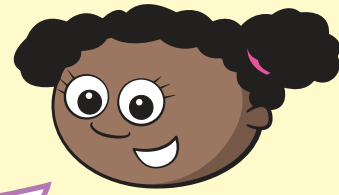
5

DECIMALS AND PERCENTAGES

White
Rose
Maths



From White Rose Maths schemes for Year 5 Spring Term
BLOCK 3 - DECIMALS AND PERCENTAGES



I have made a number on a place value chart.

Ones	Tenths	Hundredths
	<div>0.1</div> <div>0.1</div> <div>0.1</div> <div>0.1</div> <div>0.1</div>	<div>0.01</div> <div>0.01</div> <div>0.01</div> <div>0.01</div>

Write Whitney's number as a decimal.

Write Whitney's number as a fraction.

What is Whitney's number rounded to the nearest tenth?

2

Match the decimals to the correct value of the underlined digit.

0.840.484884.2

4 ones

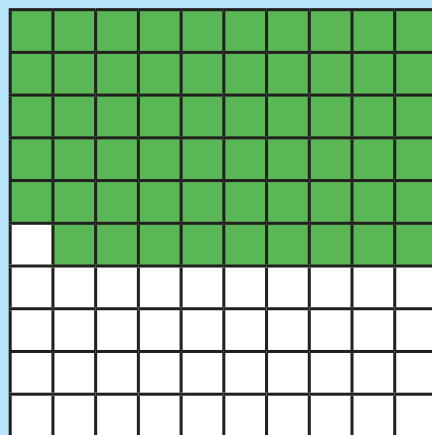
4 hundredths

4 tenths

4 tens

3

Here is a hundred square.



What percentage of the square is shaded?

 %

What fraction of the square is shaded?

- 4 Complete the calculations.

$$\frac{72}{100} = \frac{7}{10} + \frac{\boxed{}}{100}$$

$$\frac{81}{100} = \frac{\boxed{}}{10} + \frac{1}{\boxed{}}$$

- 5 Four children are measuring their height.

Aisha	1.39 metres
Teddy	1.37 metres
Scott	1.4 metres
Kim	1.43 metres

Order the children from tallest to shortest.

Filip is taller than Scott but shorter than Kim.

How tall could Filip be?

m

6

There are 1,000 people at a concert.

391 of the people are women.

What fraction of the people are women?

Write the fraction of women as a decimal.

7

Ron is running a 1 km race.

He has run $\frac{485}{1000}$ of the race so far.



How many metres has Ron run?

m

What fraction of the race does he have left to run?

8

Tommy has £300

He spends £110 on a jacket and £40 on some shoes.



What fraction of his money has Tommy spent?

Tommy spends 20% of his remaining money on a computer game.

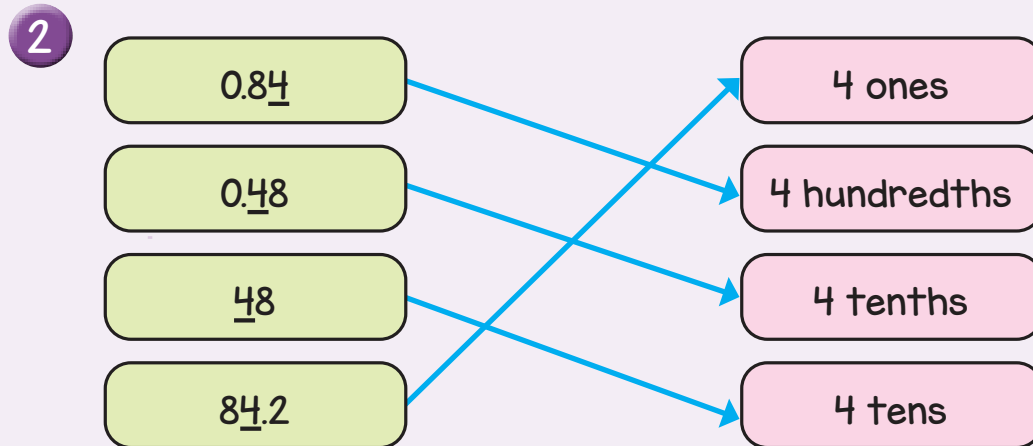
How much money does Tommy have left?



Answers



1 0.54 $\frac{54}{100}$ 0.5



3 59% $\frac{59}{100}$

4 $\frac{72}{100} = \frac{7}{10} + \frac{2}{100}$
 $\frac{81}{100} = \frac{8}{10} + \frac{1}{100}$

5 $\frac{391}{1000}$ 0.391

6 Kim, Scott, Aisha, Teddy
 1.41 m or 1.42 m

7 485 metres $\frac{515}{1000}$

8 $\frac{1}{2}$ £120