

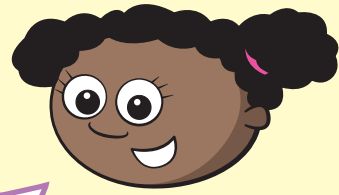
5

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 |
|------|-------------|----------------|
| | 0.1 0.1 0.1 | 0.01 0.01 0.01 |
| | 0.1 0.1 | 0.01 |

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.

0.84

0.48

48

84.2

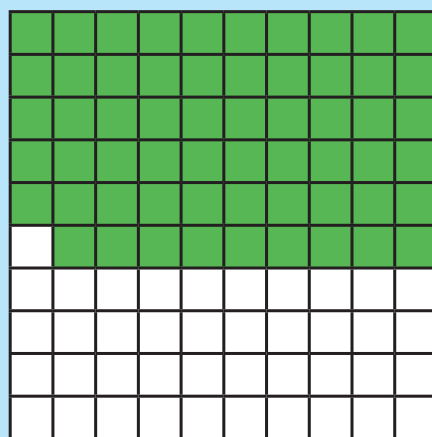
4 ones

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.

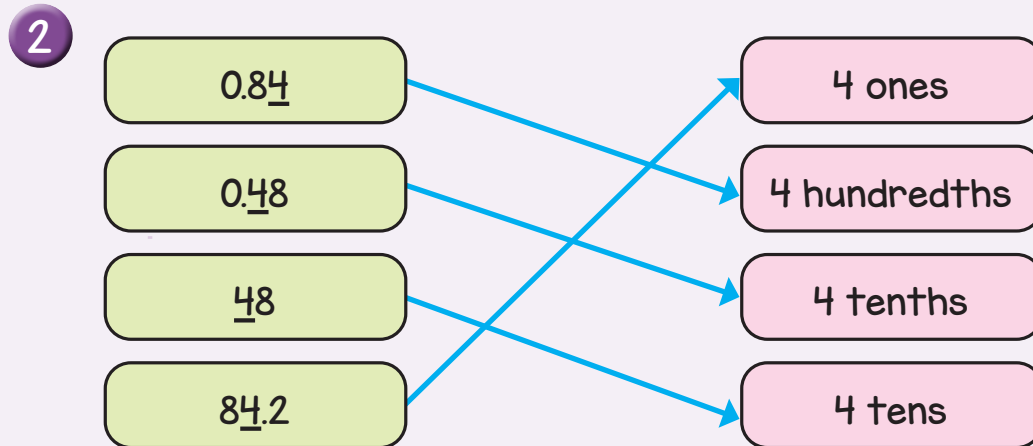
How much money does Tommy have left?



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