

Year 5,

Please check Education City for any maths tasks relating to this week's work. Remember, you can do the tasks (on Education City) as many times as you want- so if you want to try the activity again and improve your score at the end of the week, after all your incredible learning, you can do!

None of your maths work needs to be sent in to your teachers, there are answers at the end of each PowerPoint for you to self-mark.

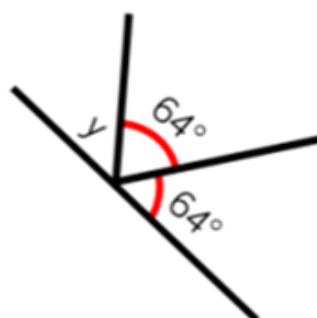
You are doing a great job!

Starter

$$5 \div 100 =$$

$$3.7 \times 100 =$$

Calculate the measurement of y



$$57.3 - 0.9 =$$

Learning Reminders

Introduction to percentages.



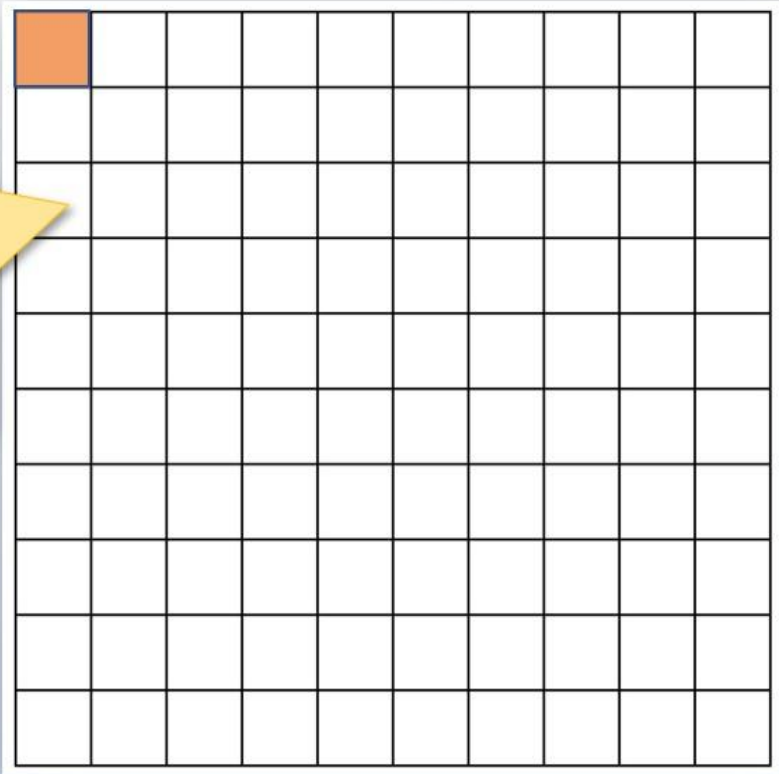
Where have you seen this symbol?
What does it stand for?



*Per cent means per 100,
or out of 100.*

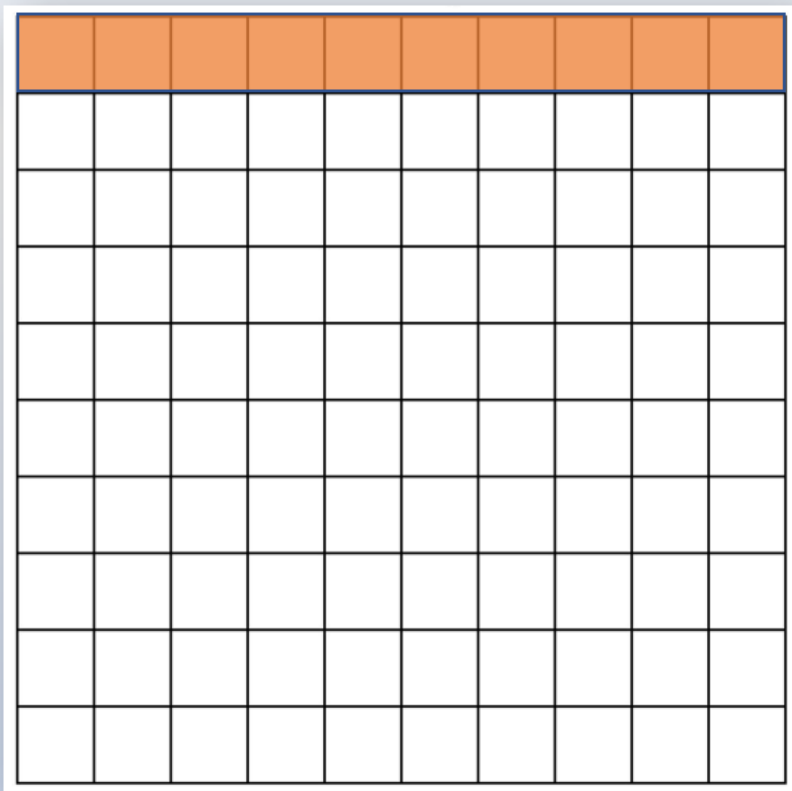
Each small square is one hundredth of the whole square.
1 out of a 100 is the same as 1 percent.
We write this as 1%.

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



Learning Reminders

Introduction to percentages.



10 small squares are shaded this time. That is equivalent to 10% of the whole square.

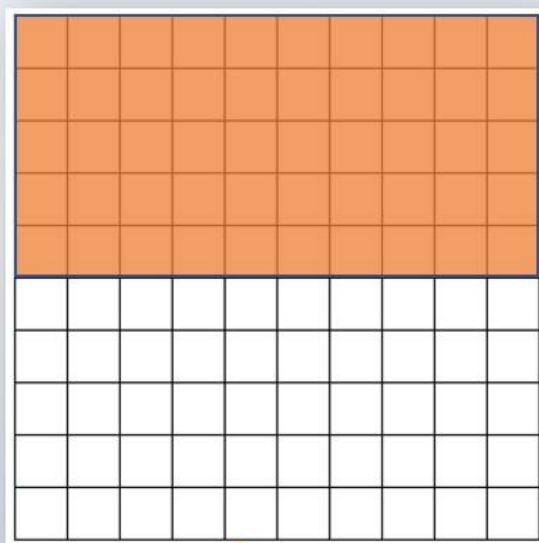
The symbol '≡' means 'equivalent to'.

$$\frac{10}{100} \equiv \frac{1}{10} \equiv 10\% \equiv 0.1$$

That's a lot of different ways to write the same amount!

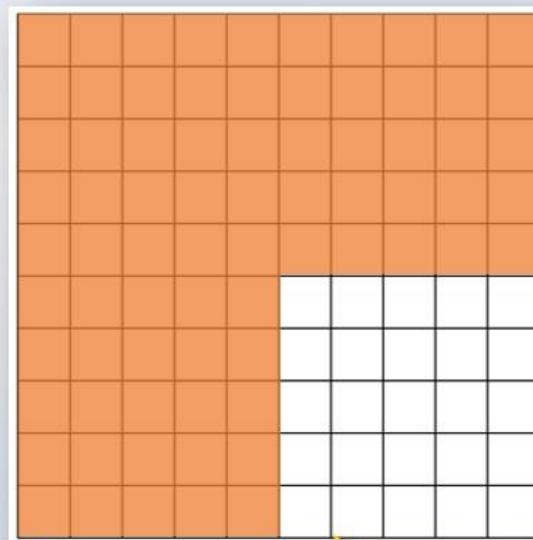
Learning Reminders

Introduction to percentages.



50 small squares are shaded.
That is equivalent to 50% of
the whole square.

$$50\% \equiv \frac{50}{100} \equiv \frac{5}{10} \equiv \frac{1}{2} \equiv 0.5$$



75 small squares are shaded.
That is equivalent to 75% of
the whole square.

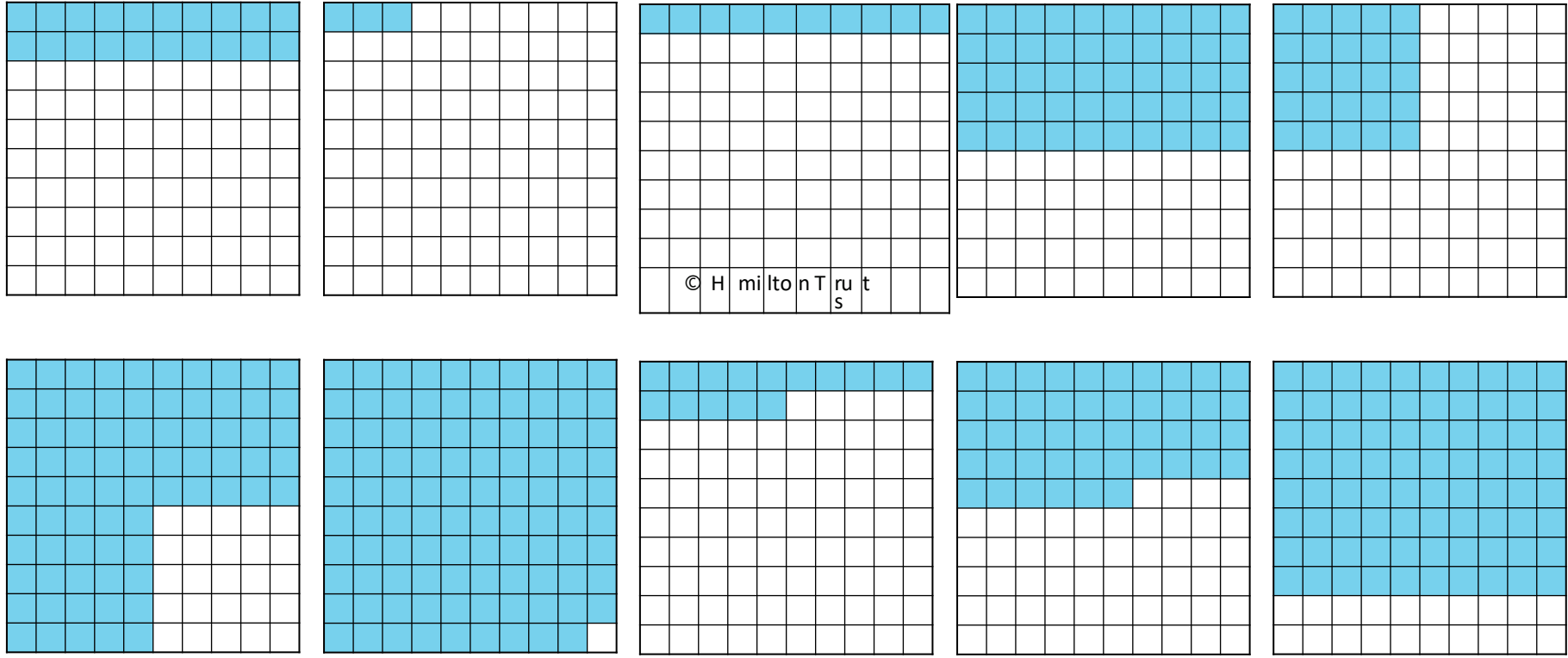
$$75\% \equiv \frac{75}{100} \equiv \frac{3}{4} \equiv 0.75$$

Practice Sheet Mild

Percentages

Write the percentage of each square that is shaded.

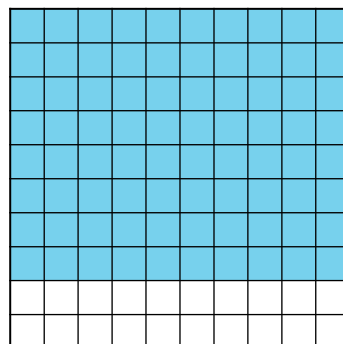
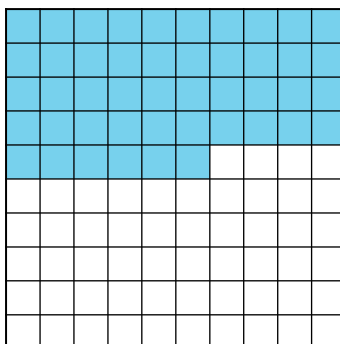
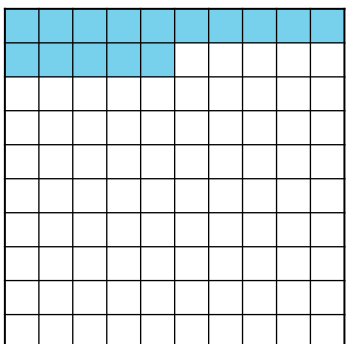
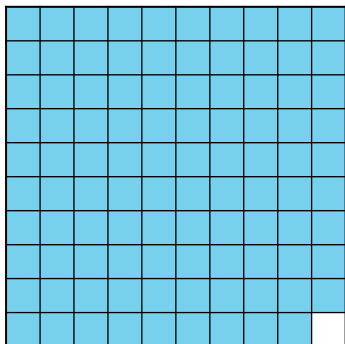
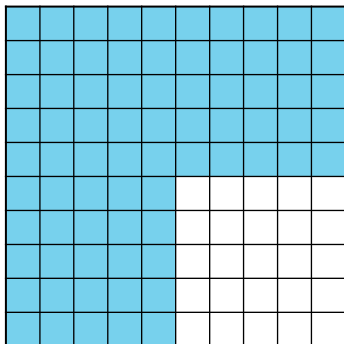
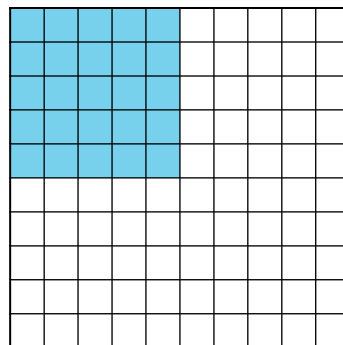
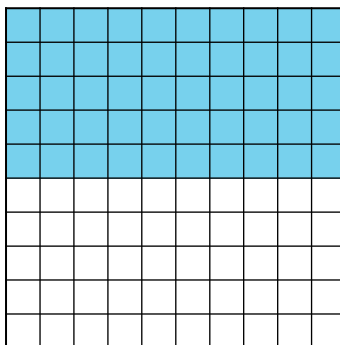
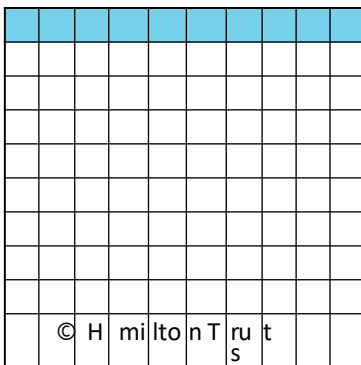
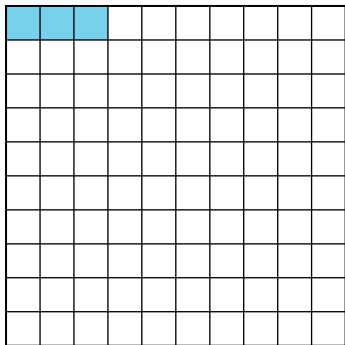
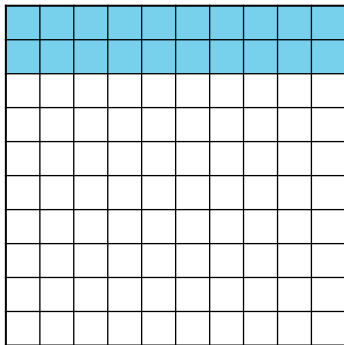
e.g. **20%**



Practice Sheet Hot

Percentages

Write the percentage of each square that is shaded, and an equivalent fraction and decimal,
e.g. **20%** = **0.2** =

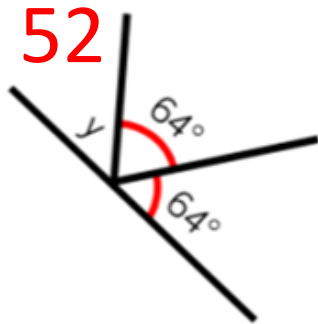


Starter

$$5 \div 100 = 0.05$$

$$3.7 \times 100 = 370$$

Calculate the measurement of y



$$57.3 - 0.9 = 56.4$$

Practice Sheets Answers

Percentages (mild)

20%

3%

10%

50%

25%

75%

99%

15%

46%

80%

Percentages (hot)

$20\% = 0.2 = \frac{2}{10} = \frac{20}{100} = 20\%$

$3\% = 0.03 = \frac{3}{100} = 3\%$

$10\% = 0.1 = \frac{1}{10} = \frac{10}{100} = 10\%$

$50\% = 0.5 = \frac{5}{10} = \frac{50}{100} = 50\%$

$25\% = 0.25 = \frac{25}{100} = 25\%$

$75\% = 0.75 = \frac{75}{100} = 75\%$

$99\% = 0.99 = \frac{99}{100} = 99\%$

$15\% = 0.15 = \frac{15}{100} = 15\%$

$46\% = 0.46 = \frac{46}{100} = 46\%$

$80\% = 0.8 = \frac{8}{10} = \frac{80}{100} = 80\%$