

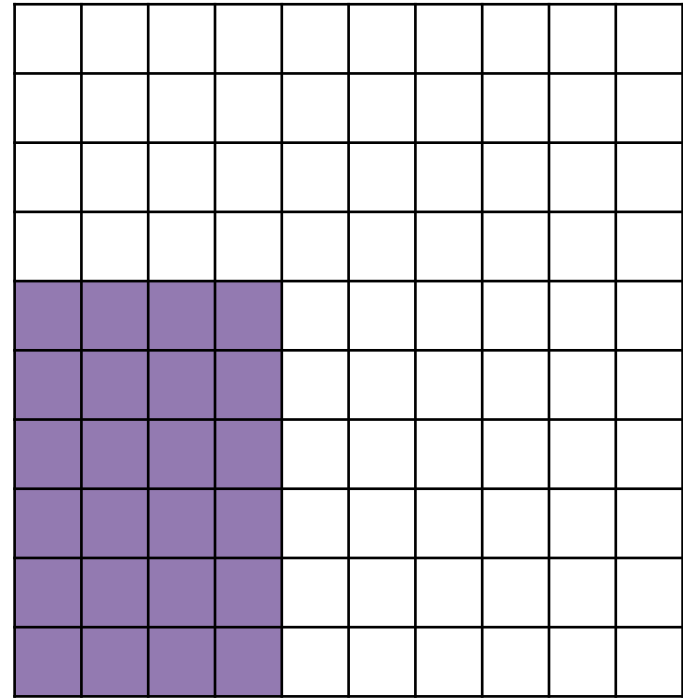
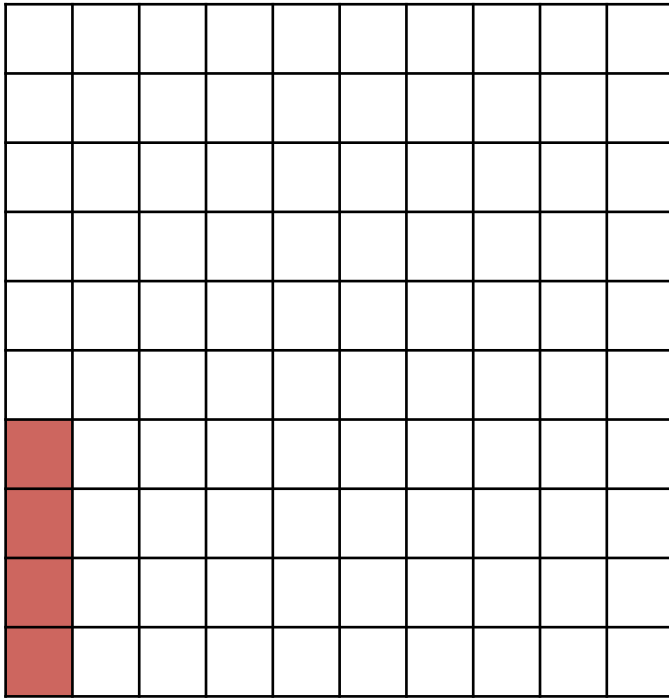
Understand Percentages

Fluency and Reasoning

Activity 1

Understand Percentages

Complete the sentence stem for each diagram.



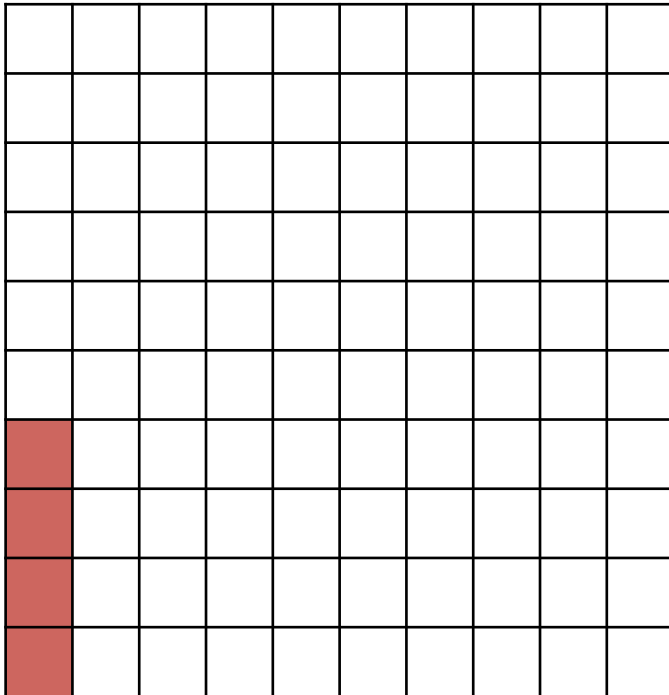
There are ___ parts per hundred shaded.

This is ___%

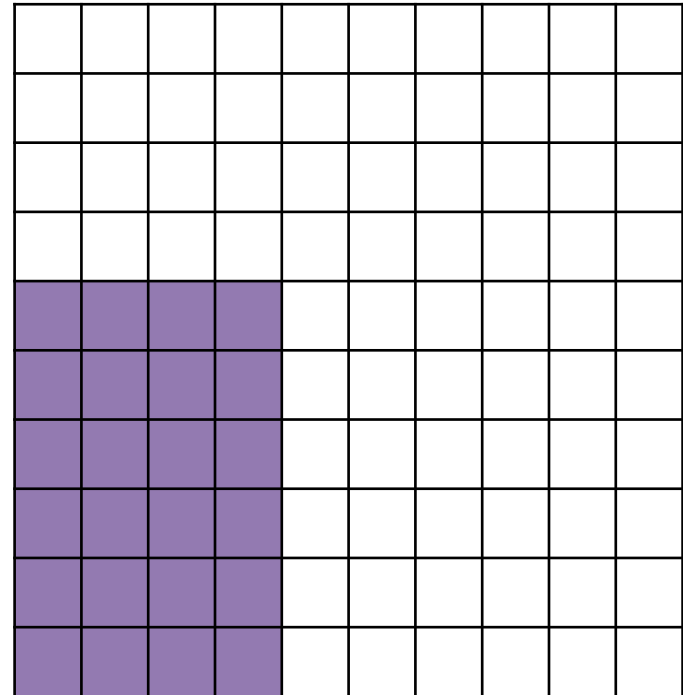
Activity 1

Understand Percentages

Complete the sentence stem for each diagram.



There are **4** parts per
hundred shaded.
This is **4** %

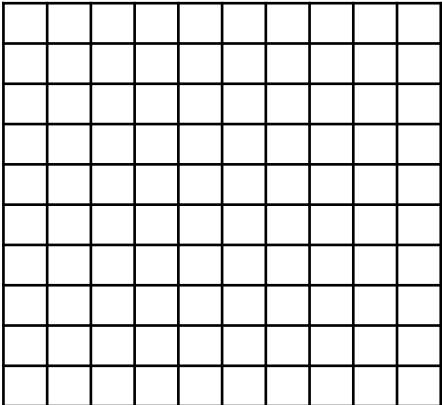
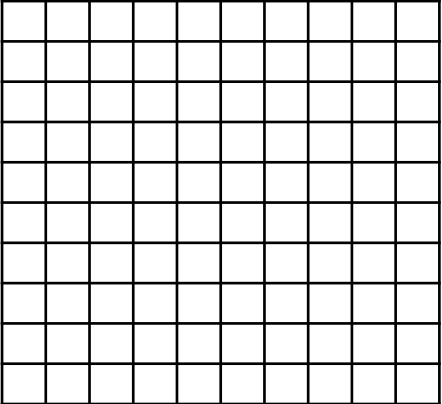


There are **24** parts per
hundred shaded.
This is **24** %

Activity 2

Understand Percentages

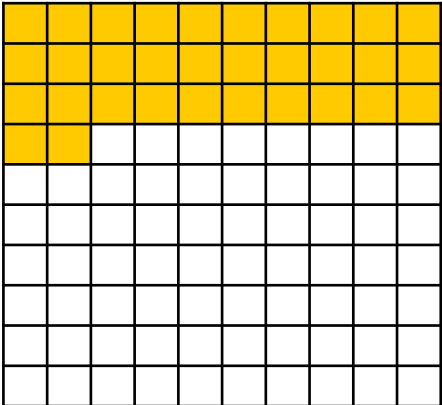
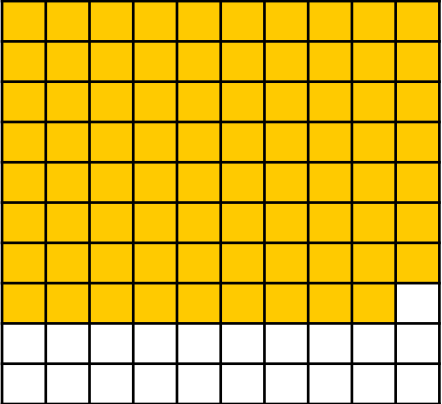
Complete the table.

Pictorial	Parts per hundred	Percentage
	There are 32 parts per hundred.	
		79%

Activity 2

Understand Percentages

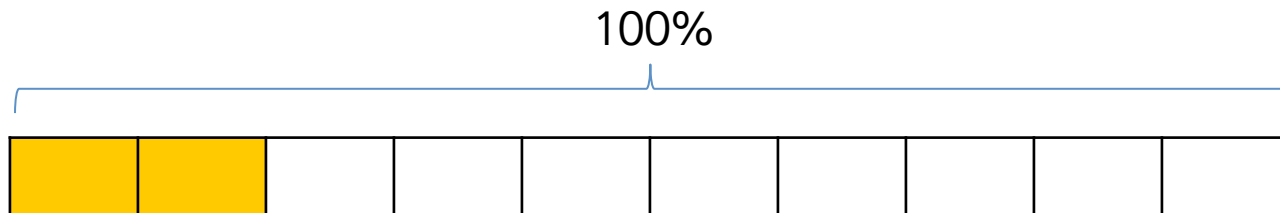
Complete the table.

Pictorial	Parts per hundred	Percentage
 A 10x10 grid representing 100 parts per hundred. The top three rows are completely filled with yellow squares (30 squares). The first two squares of the fourth row are also filled with yellow squares, for a total of 32 yellow squares.	There are 32 parts per hundred.	32%
 A 10x10 grid representing 100 parts per hundred. The first seven rows are completely filled with yellow squares (70 squares). The first nine squares of the eighth row are also filled with yellow squares, for a total of 79 yellow squares.	There are 79 parts per hundred.	79%

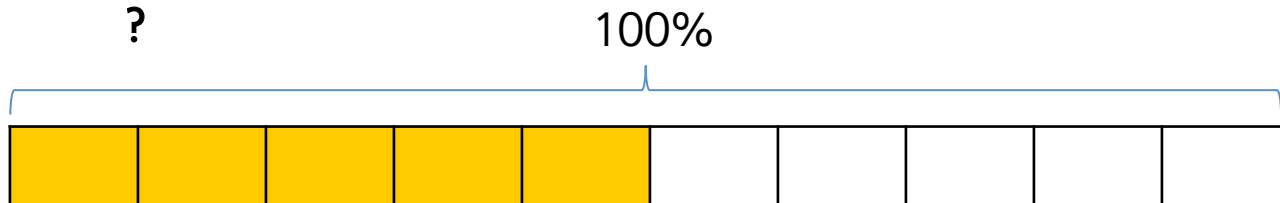
Activity 2

Understand Percentages

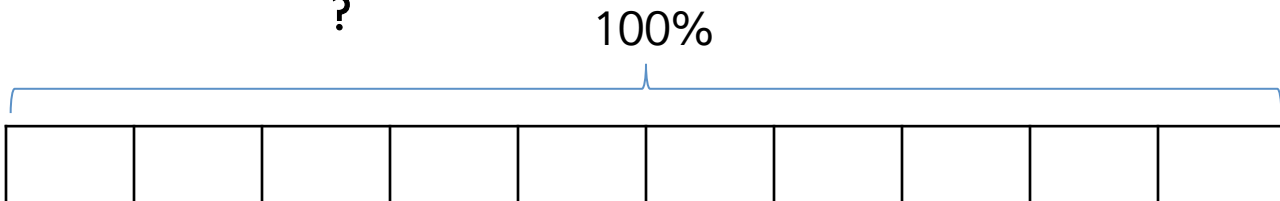
Complete the bar models.



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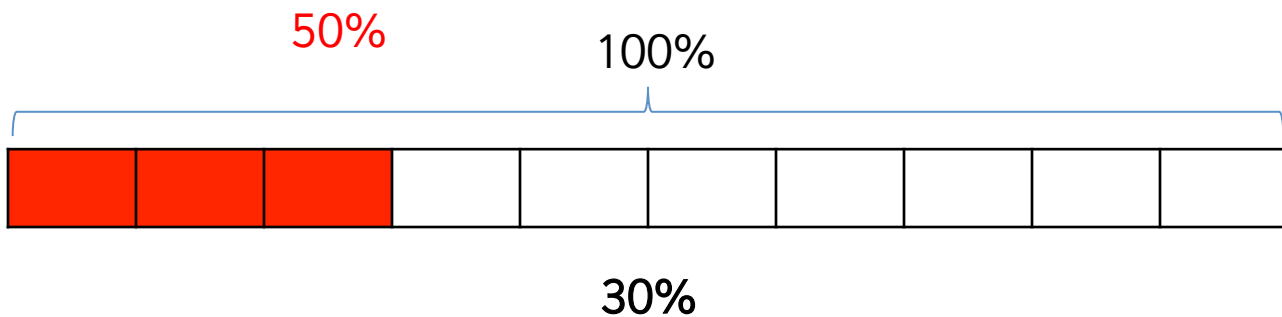
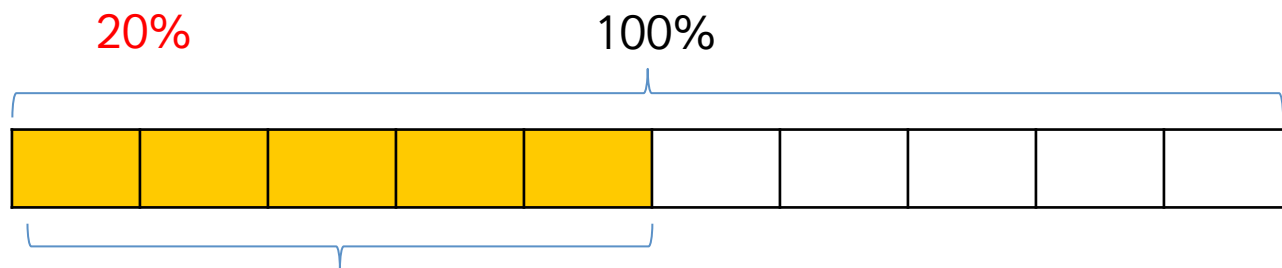
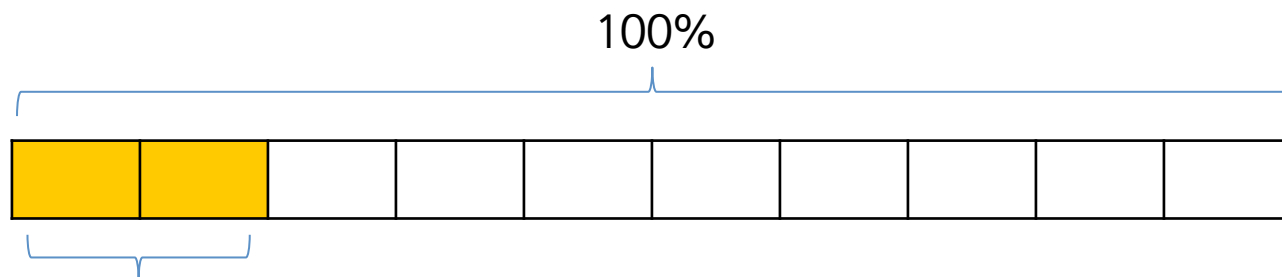


30%

Activity 2

Understand Percentages

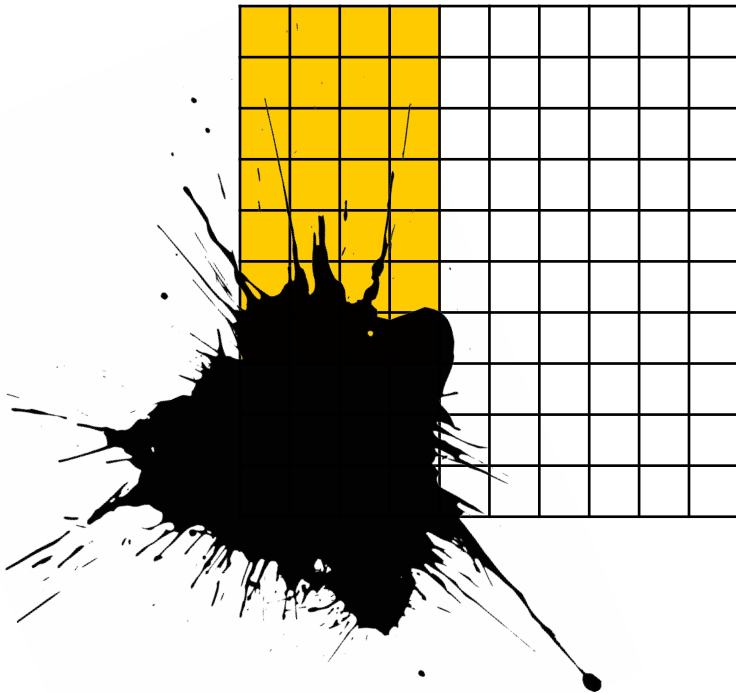
Complete the bar models.



Reasoning 1

Understand Percentages

Malachi has spilt ink on his hundred square.



Complete the sentence stems to describe what percentage is shaded.

It could be _ _ _ _.

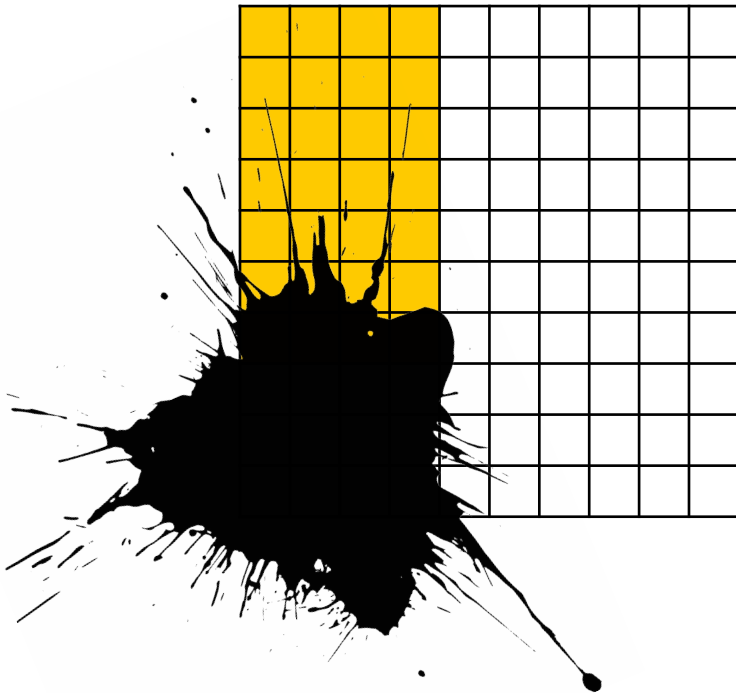
It must be _ _ _ _.

It can't be _ _ _ _.

Reasoning 1

Understand Percentages

Malachi has spilt ink on his hundred square.



Complete the sentence stems to describe what percentage is shaded.

Possible answers:

It could be 24%.

It must be less than 50%.

It can't be 10%.

Reasoning 2

Understand Percentages

Zach, Tia, and Leanna all did a test with 100 questions. Leanna got 7 more questions correct than Zach.

Name	Score	Percentage
Zach	65 out of 100	
Tia		75%
Leanna		



*Complete the table.
How many more marks did each child need to score 100%?*

Reasoning 2

Understand Percentages

Zach, Tia, and Leanna all did a test with 100 questions. Leanna got 7 more questions correct than Zach.

Name	Score	Percentage
Zach	65 out of 100	65%
Tia	75 out of 100	75%
Leanna	72 out of 100	72%

Zach needs 35.
Tia needs 25.
Leanna needs 28.

Reasoning 3

Understand Percentages

Zach and Rosie each have 100 sweets.



Zach eats 55% of his.
Rosie has 45 sweets left.

Who has more sweets left?



Reasoning 3

Understand Percentages

Zach and Rosie each have 100 sweets.



Zach eats 55% of his.
Rosie has 45 sweets left.



Who has more sweets left?

Neither.

They both have an equal number of sweets left.