Canonbury Home Learning

Year 5 Maths

Steppingstone activity

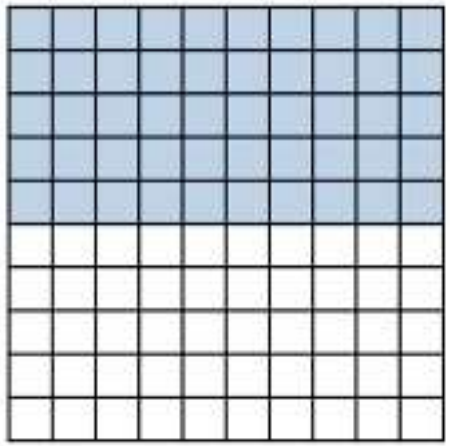
Summer week 2 Lesson 4 – 30.04.20

LO: understanding percentages as fractions and decimals

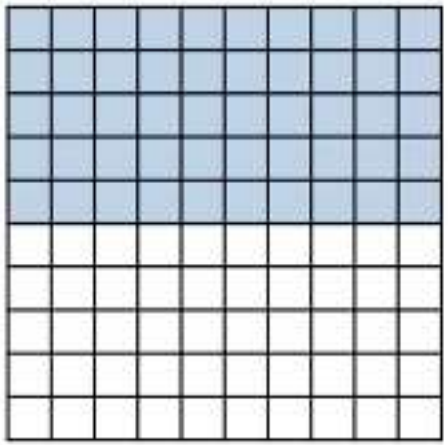
Success Criteria:

1. Look at the hundred square – how many are shaded? Write this as a fraction with the denominator 100.
2. Convert the fraction into 10th's by dividing the numerator and denominator by 10 – write as a decimal.
3. Now convert this to a percentage.

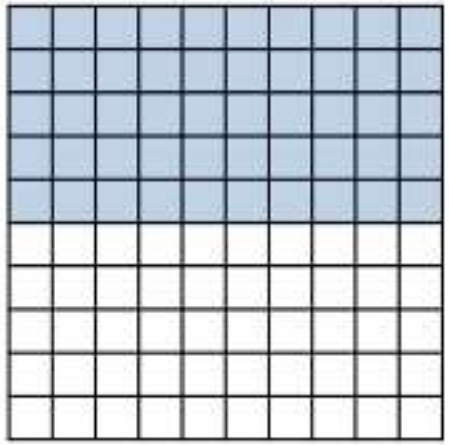
Model



Which is $\frac{50}{100}$ as a fraction.

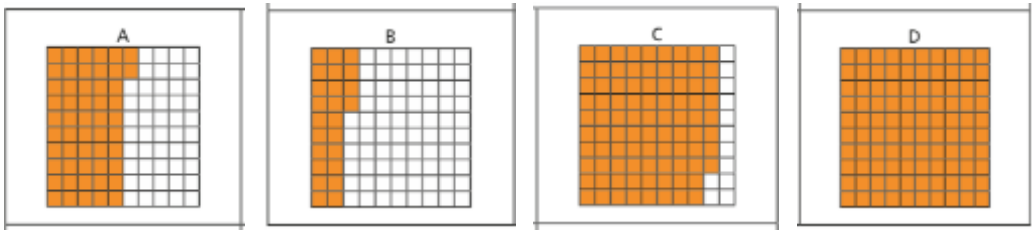


$\frac{50}{100} = \frac{5}{10}$ or 0.5 as a decimal.



Percent means 'out of a hundred' so 50 out of 100 is 50%

Now complete this table:



Complete the table.

Hundred square	Percentage	Fraction	Decimal
A		$\frac{52}{100}$	
B			
C			
D			

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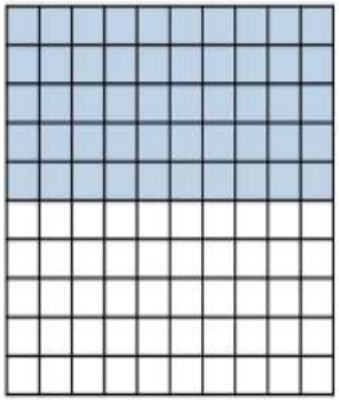
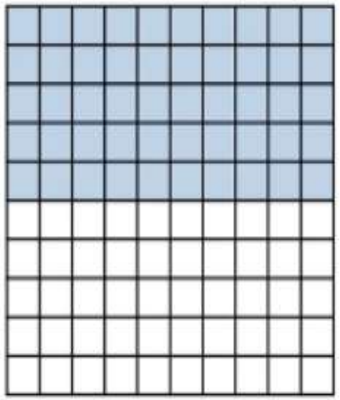


Which is $\frac{50}{100}$ as a fraction.



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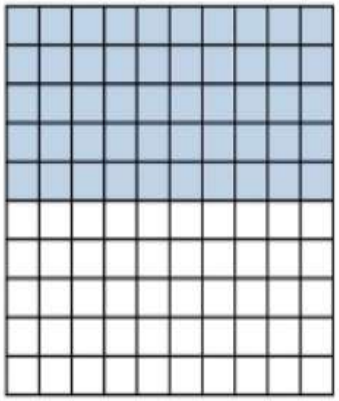

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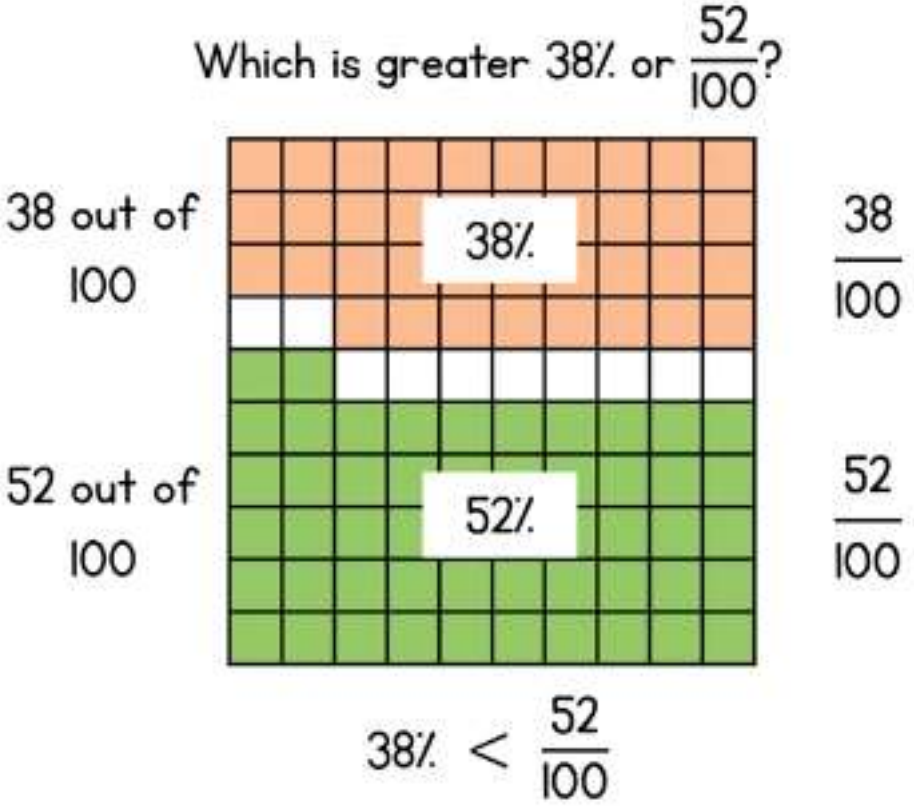


Canonbury Home Learning

Year 5 Maths

Main activity Week 3 Lesson 1 – 20.04.20

Complete at least 2 columns, more if you can!

Task 1

Practice

a) 32% = $\frac{\square}{100}$ = $\square$

35% = $\frac{\square}{100}$ = $\square$

48% = $\frac{\square}{100}$ = $\square$

b) $\frac{17}{100}$ = $\square$ % = $\square$

$\frac{9}{100}$ = $\square$ % = $\square$

$\frac{90}{100}$ = $\square$ % = $\square$

c) 0.29 = $\square$ % = $\frac{\square}{100}$

0.71 = $\square$ % = $\frac{\square}{100}$

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

Circle all the fractions that are greater than or equal to 50%.

$\frac{10}{50}$	$\frac{4}{5}$	$\frac{50}{100}$
$\frac{30}{80}$	$\frac{1}{50}$	$\frac{70}{140}$

Task 2

Now try these:

Write <, > or = to complete the statements.

a) 50% ◯ $\frac{5}{100}$

b) 25% ◯ $\frac{50}{100}$

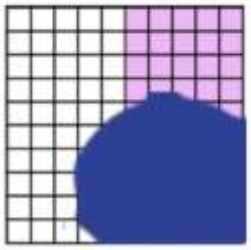
c) 14% ◯ $\frac{41}{100}$

d) $\frac{40}{100}$ ◯ 40%

e) $\frac{70}{100}$ ◯ 7%

f) 82% ◯ $\frac{82}{100}$

Oh no! Dexter 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...

Task 3

Have a go at these problems:

Jack and Dora go shopping with the same amount of money.

Jack spends $\frac{1}{3}$ of his money.

Dora spends 30% of her money.

a) Who spends more money? _____

Use fraction and percentage equivalence to explain your answer.

Mo, Annie and Tommy all did a test with 100 questions. Tommy got 6 fewer questions correct than Mo.

Name	Score	Percentage
Mo	56 out of 100	
Annie		65%
Tommy		

Complete the table.

How many more marks did each child need to score 100%?

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