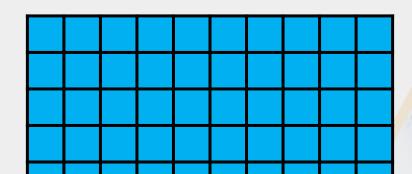
Thursday 16th April Understanding Percentages

Introduction

Circle the fraction and decimal which match the picture.

70 100

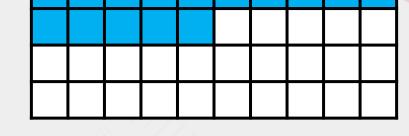


0.34

0.75

3 4

30 100



0.7

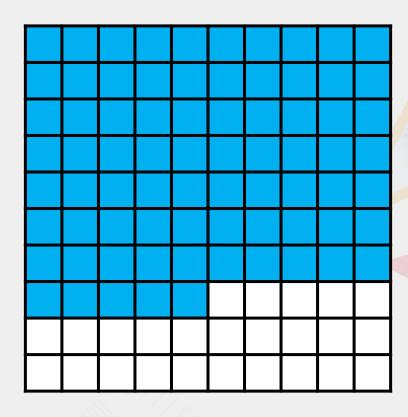
Introduction

Circle the fraction and decimal which match the picture.





30 100



0.34



0.7

Remember the whole shape = 100%

There are only 10 pieces but the whole thing is equal to 100%.

So how much would each piece be as a percentage?

100 divided by 10 will give you each piece.

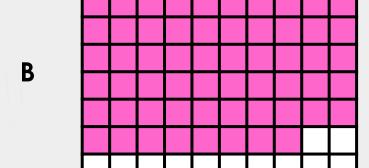
If there are 100 pieces and 45 are coloured that is easy = 45%

or the fraction 45/100 which = the decimal 0.45 which is 45%

Match the grids to their percentages.



78%

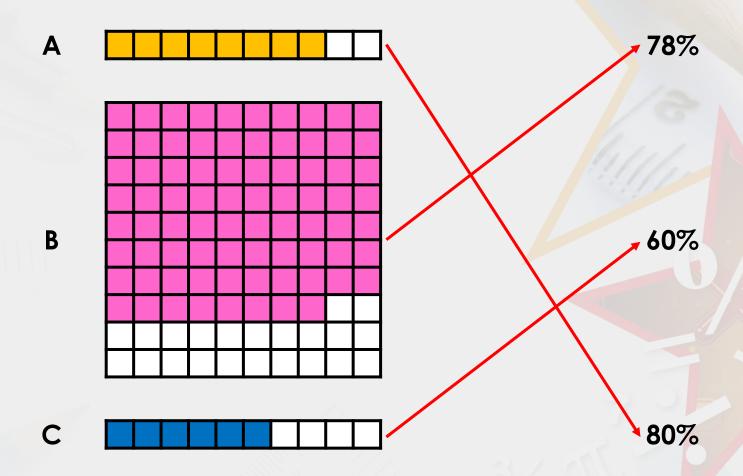


60%



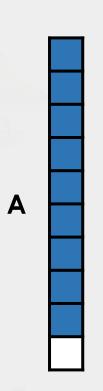
80%

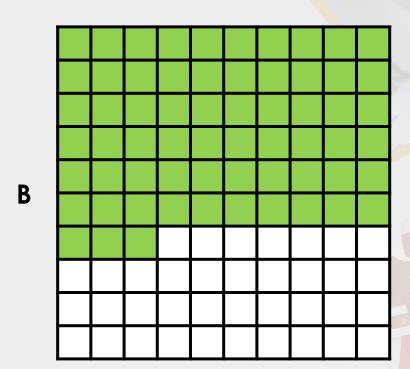
Match the grids to their percentages.



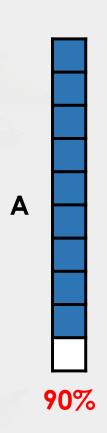


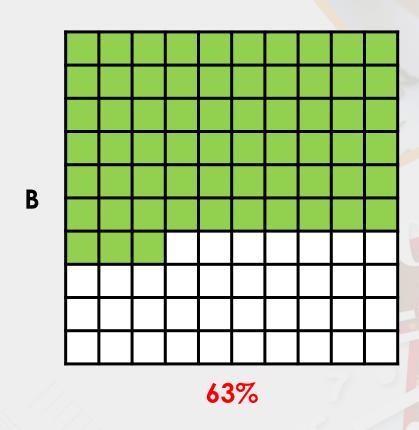
Write the percentage represented by the grids below.



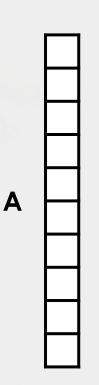


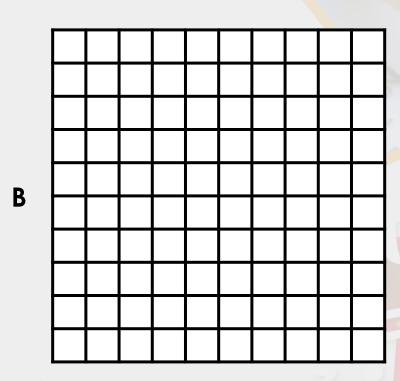
Write the percentage represented by the grids below.





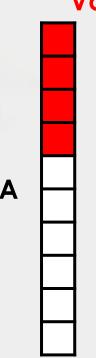
Represent 40% on the grids below.

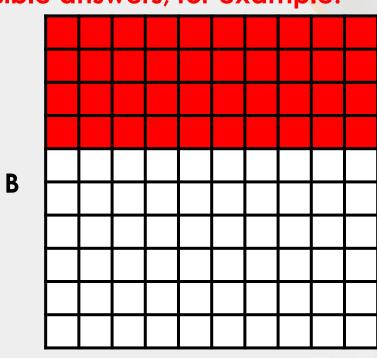




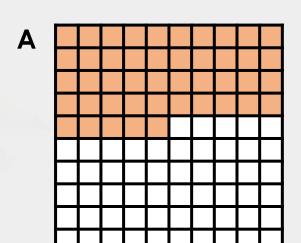
Represent 40% on the grids below.

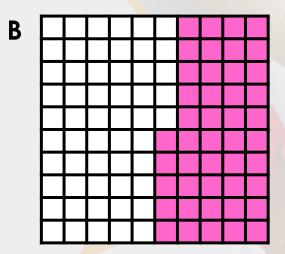
Various possible answers, for example:





Circle the odd one out.





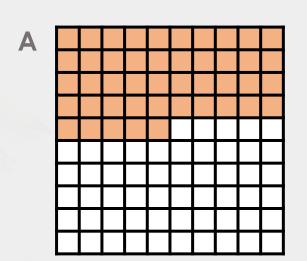


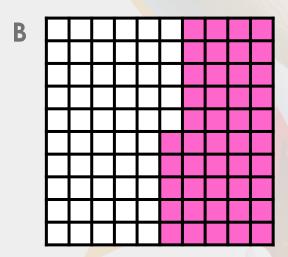
D 45%

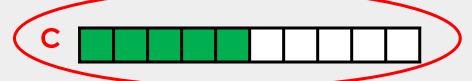
Explain your reasoning.



Circle the odd one out.







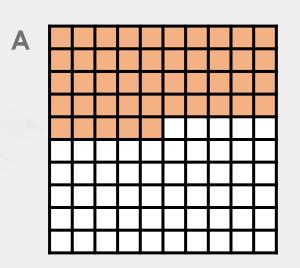
D 45%

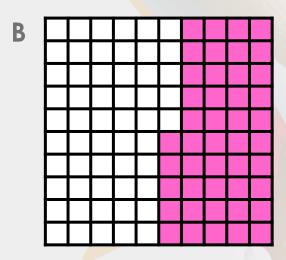
Explain your reasoning.

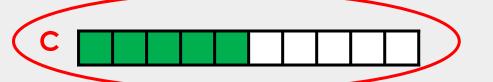
C is the odd one out because...



Circle the odd one out.







D 45%

Explain your reasoning.

C is the odd one out because it represents 50%.

A, B and D represent 45%.



Remember to convert all the statements to the same form either fractions or decimals.

Example
33 parts of 100 =

33/100 0.33 or 33%

Problem Solving 1

Put the cards in order from largest to smallest.

53 parts per 100

35%

4 parts out of 10

61%

7 parts per 10 16 parts out of 100



Problem Solving 1

Put the cards in order from largest to smallest.

7 parts per 10

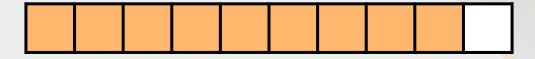
61%

53 parts per 100 4 parts out of 10

35%

16 parts out of 100

Alia and Ben are shown a bar model.



Alia says,



9% is shaded

90% is shaded

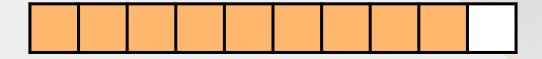
Ben says,



Who is correct? Convince me.



Alia and Ben are shown a bar model.



Alia says,



9% is shaded

90% is shaded

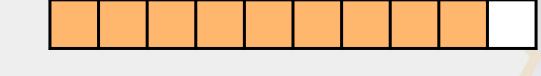
Ben says,



Who is correct? Convince me. Ben is correct because...



Alia and Ben are shown a bar model.



Alia says,



9% is shaded

90% is shaded

Ben says,



Who is correct? Convince me.

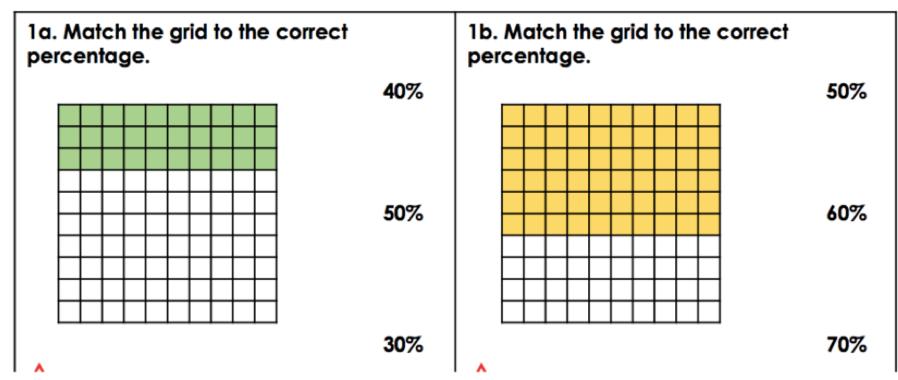
Ben is correct because the bar model is split into 10 parts.

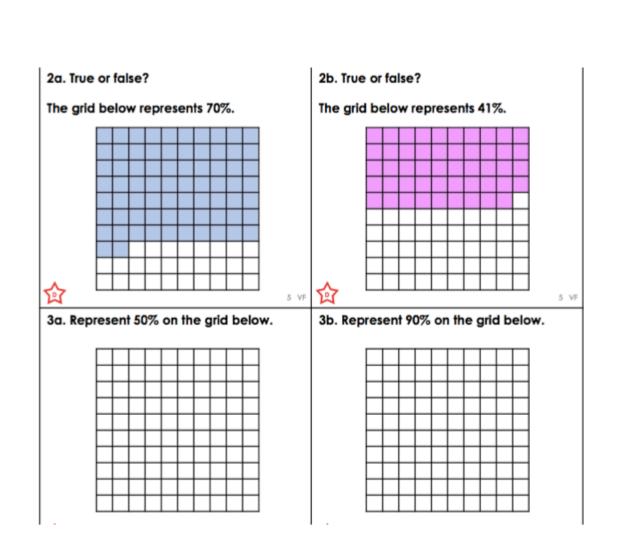
Percentages are the number of parts out of 100 so
9 needs to be multiplied by 10 to find the percentage.

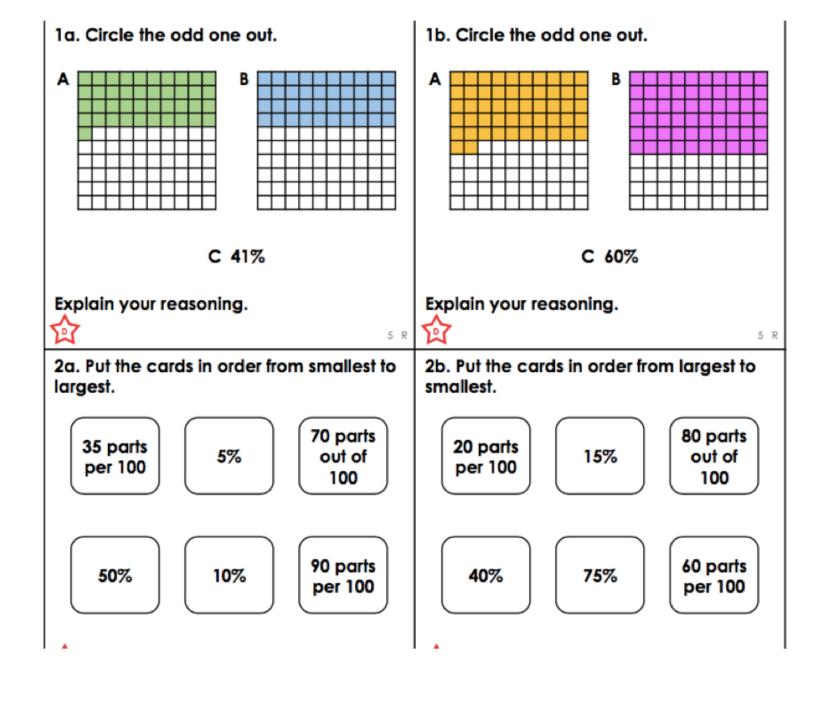


Y5

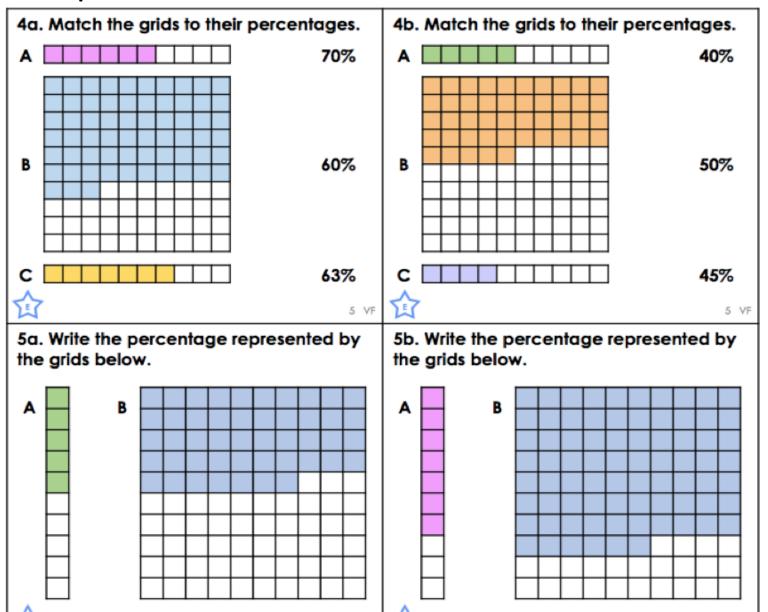
Developing







Expected



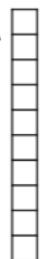
6a. Represent 80% on the grids below.

A |

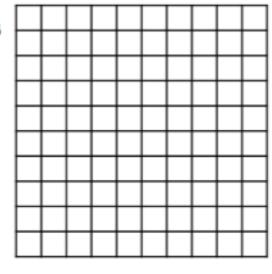
B

6b. Represent 60% on the grids below.

Α

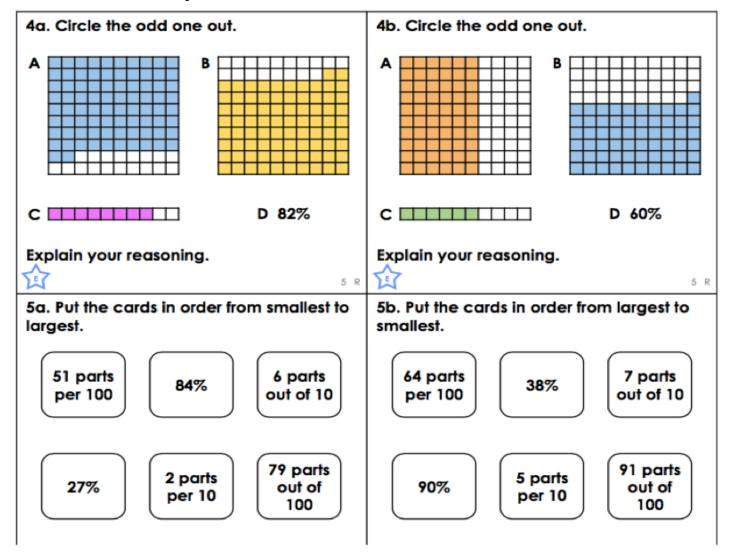


В



٨

Greater Depth



Greater Depth

