

Mathematics

# Converting to Decimals

Mr Millar



# Connect

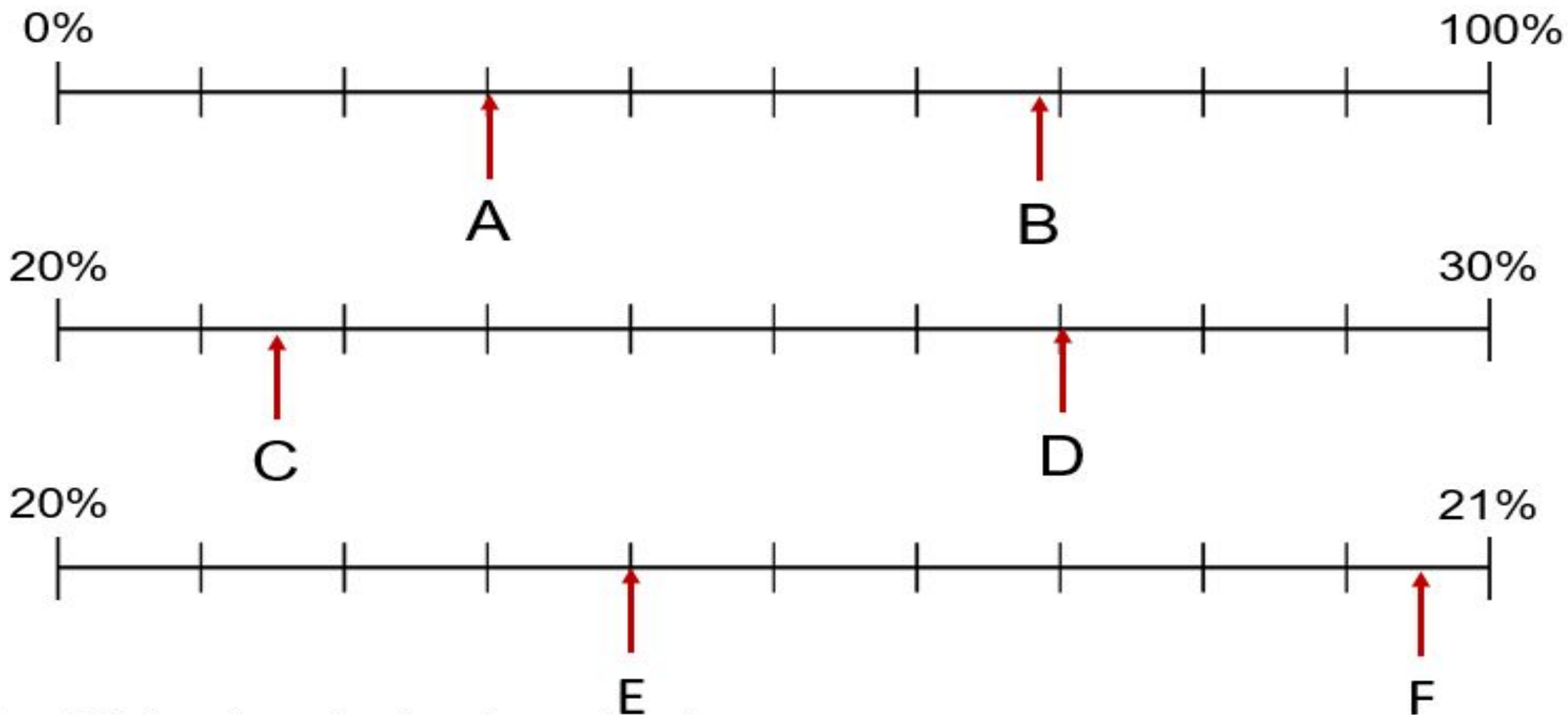
We can represent decimal values and equivalent percentages using a place value table.

Tens	Ones	Tenths	Hundredths	Thousandths		Percentage
	0	4			=	
	0	4	3		=	
	0	4	6	3	=	



# Independent task

1. Represent each of the marked values as a percentage and the equivalent decimal, using a place value chart.



2. Write the decimal equivalent to

a) 30%      b) 34%      c) 34.4%      d) 30.4%      e) 3%



# Explore

How many ways can you complete this place value chart, using all four digit cards?



Ones	Tenths	Hundredths	Thousandths		Percentage
				=	
				=	
				=	
				=	
				=	
				=	

1 2 3

1 3 2

2 1 3

2 3 1

3 1 2

3 2 1



# Answers



# Try this

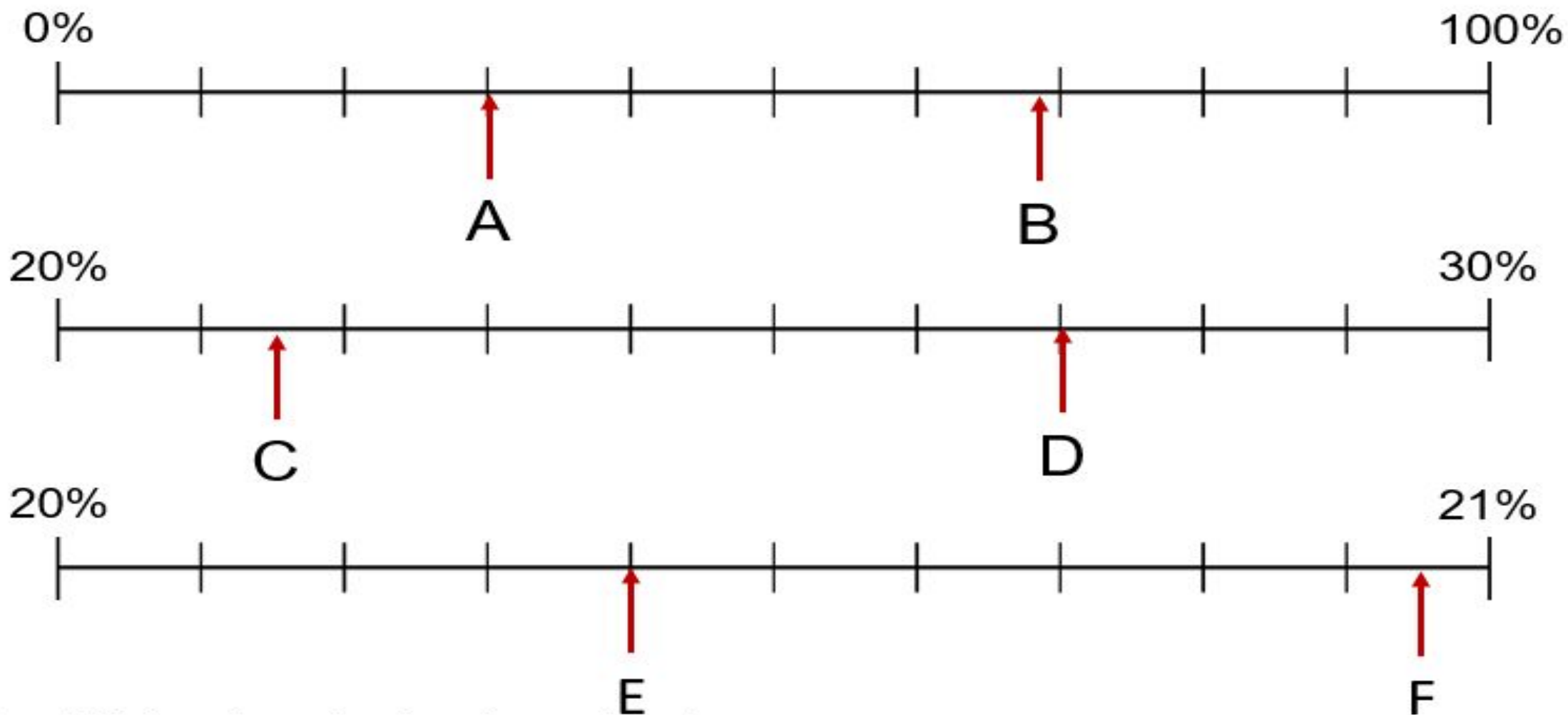
We can represent decimal values and equivalent percentages using a place value table.

Tens	Ones	Tenths	Hundredths	Thousandths		Percentage
	0	4			=	40%
	0	4	3		=	43%
	0	4	6	3	=	46.3%



# Independent task

1. Represent each of the marked values as a percentage and the equivalent decimal, using a place value chart.



A: 30%, 0.3

B: 69%, 0.69

C: 21.5%, 0.215

D: 27%, 0.27

E: 20.4%, 0.204

F: 20.95%, 0.2095

2. Write the decimal equivalent to

a) 30%

0.3

b) 34%

0.34

c) 34.4%

0.344

d) 30.4%

0.304

e) 3%

0.03



# Explore

How many ways can you complete this place value chart, using all four digit cards?



Ones		Tenths	Hundredths	Thousandths		Percentage
0.	●	0	2	2	=	2.2%
0.	●	2	0	2	=	20.2%
0.	●	2	2	0	=	22%
2.	●	0	0	2	=	200.2%
2.	●	0	2	0	=	202%
2.	●	2	0	0	=	220%

