Order FDP

1. Jay is combining fractions, decimals and percentages in order to make an amount that is equivalent to 100%.

He says,



I've managed to reach my target by combining more than 1 value from each column. I have organised the values in my calculation in ascending order.

Column A	Column B
2%	$\frac{2}{25}$
$\frac{1}{5}$	$\frac{6}{30}$
$\frac{1}{8}$	30%
8%	$\frac{2}{10}$
0.175	12.5%

Explore the possible combinations of values Jay could have chosen. What could his calculation look like?

DP

2. Ellie is playing an ordering game with cards based on fractions, decimals and percentages.

5 cards with values and 5 blank cards are placed down on the table. She needs to complete these cards with either a fraction, decimal or percentage that could fit, so that the cards are in ascending order.

She must use at least 1 fraction, 1 decimal with 3 decimal places and 1 percentage with 1 decimal place.

Card A	Card B	Card C	Card D	Card E	Card F	Card G	Card H	Card I	Card J
2%		0.2		$\frac{3}{8}$		45%		0.875	

Investigate what the values of the blank cards could be.

DP

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He says,



I've managed to reach my target by combining more than 1 value from each column. I have organised the values in my calculation in ascending order.

Column A	Column B
2%	$\frac{2}{25}$
$\frac{1}{5}$	$\frac{6}{30}$
$\frac{1}{8}$	30%
8%	$\frac{2}{10}$
0.175	12.5%

Explore the possible combinations of values Jay could have chosen. What could his calculation look like?

Various answers, for example: Column A: 2%, $\frac{1}{5}$; Column B: $\frac{2}{25}$, $\frac{6}{30}$, 30%, $\frac{2}{10}$

Jay's calculation could look like this: $2\% + \frac{2}{25} + \frac{2}{10} + \frac{1}{5} + \frac{6}{30} + 30\% = 100\%$

DP

2. Ellie is playing an ordering game with cards based on fractions, decimals and percentages.

5 cards with values and 5 blank cards are placed down on the table. She needs to complete these cards with either a fraction, decimal or percentage that could fit, so that the cards are in ascending order.

She must use at least 1 fraction, 1 decimal with 3 decimal places and 1 percentage with 1 decimal place.

Card A	Card B	Card C	Card D	Card E	Card F	Card G	Card H	Card I	Card J
2%		0.2		$\frac{3}{8}$		45%		0.875	

Investigate what the values of the blank cards could be.

Various answers, for example: Card B = 5%, Card D = 0.21, Card F = 0.426, Card H = $\frac{3}{5}$, Card J = 96.5%

DP

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