

Wednesday 03/06/2020

LK: To convert decimals to percentages.

Hello everybody! Miss Dattani here, I hope you are all safe and well.

You do not need a printer to complete any tasks, please do your task on pen and paper and email me if you have any questions at [WDV.year5@oasiswoodview.org](mailto:WDV.year5@oasiswoodview.org)

Your task is differentiated two ways:

-Section A is suited for one star (blue and green)

-Section B is suited for two and three star (yellow, orange and red table)

To convert a decimal to a percentage, you multiply it by 100. You can do this using the place value columns by shifting each digit **two places to the left** then adding a percentage symbol. Below is an example.

| Millions | Hundred Thousands | Ten Thousands | Thousands | Hundreds | Tens | Ones | tenths | hundredths | thousandths | ten thousandths | hundred thousandths | millionths |
|----------|-------------------|---------------|-----------|----------|------|------|--------|------------|-------------|-----------------|---------------------|------------|
| M        | HTh               | TTh           | Th        | H        | T    | O    | t      | h          | th          | tth             | hth                 | m          |
|          |                   |               |           |          |      | 0    | • 1    | 3          |             |                 |                     |            |
|          |                   |               |           |          |      | 1    | 3      | • %        |             |                 |                     |            |

Tip: It is clear to see a percentage when a decimal is already in hundredths (because percent means out of 100). 0.13 is the same as 13/100 which is the same as 13%.

## Section A

Convert these decimals to percentages:

1. 0.25
2. 0.1
3. 0.01
4. 0.6
5. 0.17
6. 0.19
7. 0.12
8. 0.75
9. 0.92

## Section B

Convert these decimals to percentages (and fractions for an extra challenge!)

1. 0.3
2. 0.79
3. 0.5
4. 0.7
5. 0.8
6. 0.75
7. 0.20
8. 0.25
9. 0.39