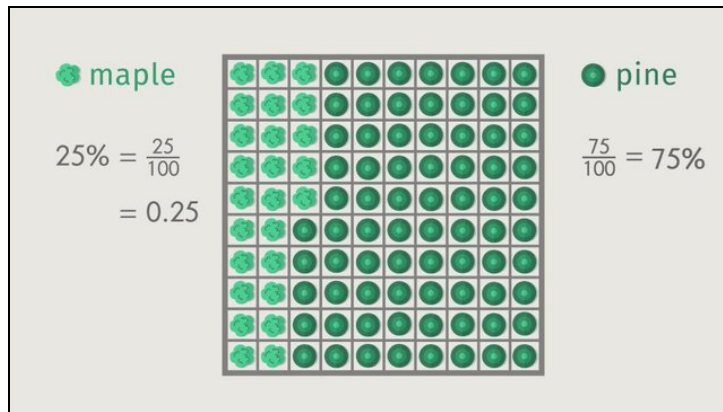


Worksheets to print out from [sofatutor.com](https://www.sofatutor.com)

## Percent and Parts Per 100



- 1 Complete the tape diagram.
- 2 Identify the hundreds chart that would be equivalent to a given percentage.
- 3 Describe why  $1\% = \frac{1}{100} = 0.01$ .
- 4 Determine which percentages go with which model.
- 5 Identify the part.
- 6 Solve the percentage problem.
- + with many hints, answer keys, and solution approaches for all tasks



The complete package, including all tasks, hints, solutions, and solution approaches, is available to all subscribers of [sofatutor.com](https://www.sofatutor.com)

## Complete the tape diagram.

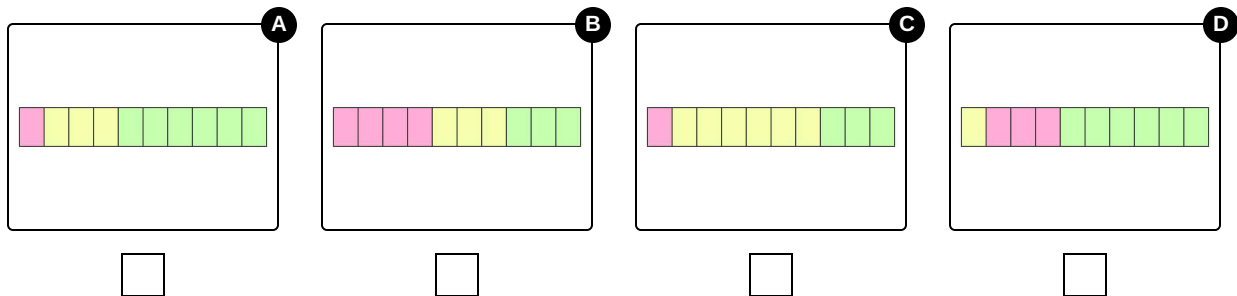
Highlight the correct percent for each plant.



After the Busy Business Beavers decided that they did want to keep some flowers on their land, the new break down of flowers, Maple Trees, and Pines trees is:

- 10% Flowers (**pink**)
- 30% Maple Trees (**yellow**)
- 60% Pine trees (**green**)

Choose the diagram below that represents the percentages the Busy Beavers plan on.



## Our hints for the tasks

1  
from 6

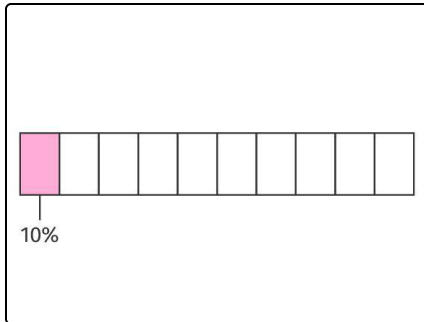
### Complete the tape diagram.

#### 1. Hint

A tape diagram divides a whole ( 100%) into equal parts.

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#### 2. Hint



The tape diagram can be split into 10 equally sized boxes, each worth 10%.

If the first box is equal to 10% which represents the flowers, how many boxes would need to be shaded in for the maple tree and the pine tree?

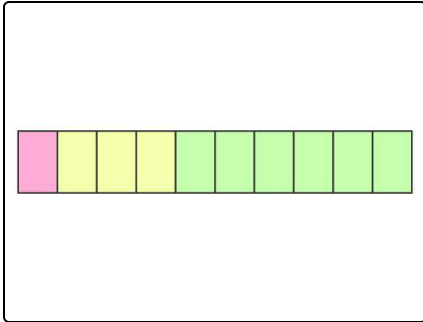
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## Solutions and solution approaches for the tasks

1  
from 6

### Complete the tape diagram.

Answer key: A



- Flowers:  $10\% = 10\% \times 1$ , so 1 of the 10 spaces should be highlighted for flowers. This should be the first space.
- Maple Trees:  $30\% = 10\% \times 3$ , so 3 of the 10 spaces should be highlighted for Maples Trees. This should be the next three spaces to the right of the space highlighted for Flowers.
- Pine Trees:  $60\% = 10\% \times 6$ , so 6 of the 10 spaces should be highlighted for Pine Trees. This should be the remaining 6 spaces in the tape diagram.

Together  $10\% + 30\% + 60\% = 100\%$ , so in the end the entire tape diagram should be highlighted