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ACTIVITY Close the Gaps



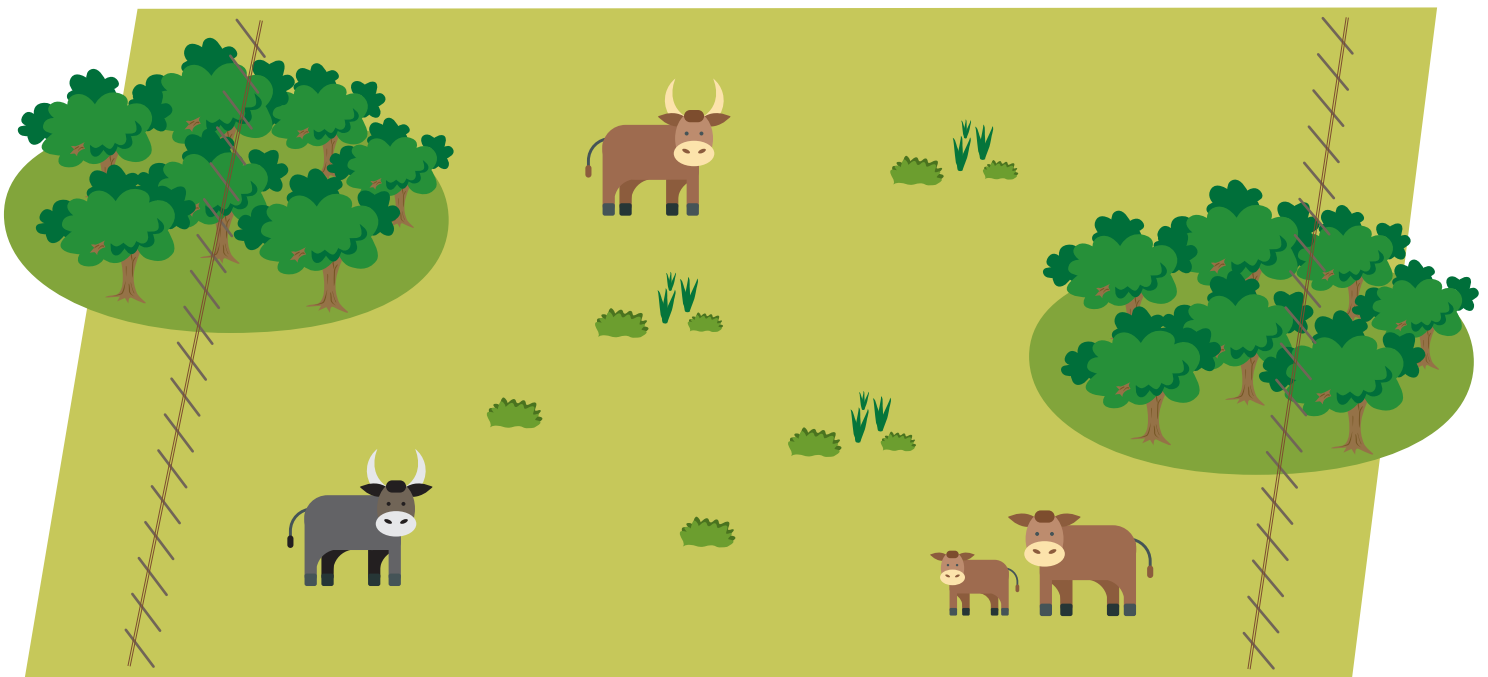
The Facts

- Gliding possums do not like travelling on the ground and move through the landscape by gliding from tree to tree.
- Gliders lose 1m of height for every 1.8m travelled during a glide.
- Box/gum woodland trees reach a height of between 20m and 30m.
- Planted box and gum trees grow at a rate of about 1m per year.
- Gliders roost and nest in tree hollows that take between 100 and 250 years to form in a tree.

Type of glider	Food	Glide Distance (m)
Feather-tailed Glider	Insects, sap, nectar	30m
Sugar Glider	Insects, sap, nectar, manna	50m
Squirrel Glider	Insects, sap, nectar	50m
Greater Glider	Leaves	100m
Yellow-bellied Glider	Sap	100m (max 140m)

Exercise

There are two patches of bushland 200 metres apart in a paddock. This distance is too far for gliders to cross. To enable them to move from one patch of bushland to another we need to plant some additional trees to fill in the gaps. Using the information from the fact facts and the glide distances in the table above, calculate how far apart we will need to place the plantings to ensure that all five species of glider can move across the paddock.



200m

Answer: _____