# 2025 Bi H1 Q21

## Section: Sustainability and Interdependence

## Topic: Social Behaviour

## Question Summary:

Packs of grey wolves in three Canadian regions were studied. For each region, the total territory area (km^2) and number of packs were recorded. You are asked how many times larger the **average territory area per pack** is in region X compared with region Z.

## Worked Solution:

To compare the average territory area per pack in each region:

**Region X:**
Total area = 240 km^2
Number of packs = 2
Average per pack = 240 / 2 = **120 km^2**

**Region Z:**
Total area = 840 km^2
Number of packs = 28
Average per pack = 840 / 28 = **30 km^2**

Now compare the averages:
**120 / 30 = 4**

Therefore, the average territory area per pack in region X is **four times larger** than in region Z.

## Final Answer: C (4.00).

## Revision Tips:

- When comparing averages, always calculate each mean separately before dividing.

- Social behaviour questions often involve territory size, pack structure, or cooperative hunting.
- Keep units consistent: here all areas were already in km^2.