



3rd & 4th Class
Maths

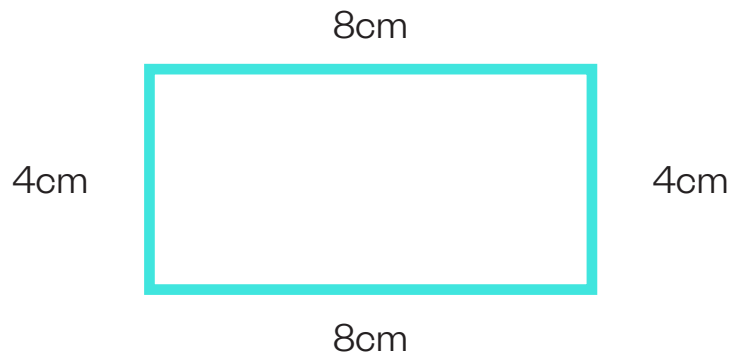


Area & Perimeter

Perimeter is the distance around the outside of a shape.

Area measures the space inside a shape. We measure area in meters squared which is written as m^2 .

Example:



Perimeter: Add all the length and width measurements:
 $8cm + 4cm + 8cm + 4cm = 24cm$

Or: Add 1 Length + 1 Width and multiply by 2:
 $(8cm + 4cm) \times 2 = 24cm$

Area: Length x Width:
 $8cm \times 4cm = 32cm^2$



Farmer John's Farm Quiz

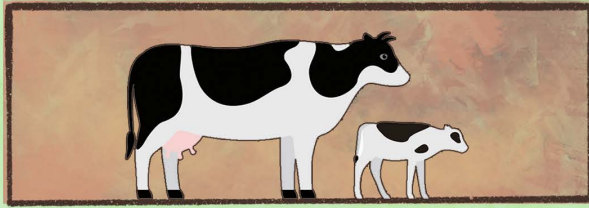
Farmer John's Pet Farm is getting new fencing and turf for each of the animal enclosures. Have a look at the picture and work out the perimeter and area of each of the animal enclosures. Use or copy the table below to input your answers.

| Animal Enclosure | Perimeter (m) | Area (m ²) |
|------------------|---------------|------------------------|
| Cow | | |
| Chicken | | |
| Llama | | |
| Donkey | | |
| Pig | | |
| Goat | | |

The fencing for the perimeter of each animal enclosure costs €5 per metre and the turf to cover the area of the inside of the enclosure costs €10 per metre. Can you calculate...

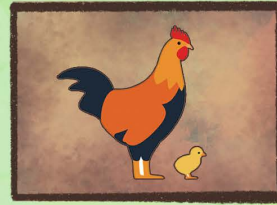
- 01** How much will the fencing on the donkey enclosure cost?
- 02** How much will the turf in the cow enclosure cost?
- 03** What is the total cost of the fencing and turf for the llama enclosure?
- 04** What is the total cost for the fencing of the pig and chicken enclosures?
- 05** What is the total cost for the turf for the goat and donkey enclosures?

15m



5m

7m



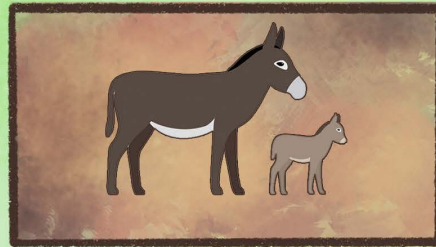
5m

12m

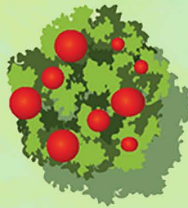


8m

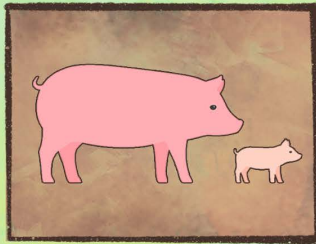
11m



6m

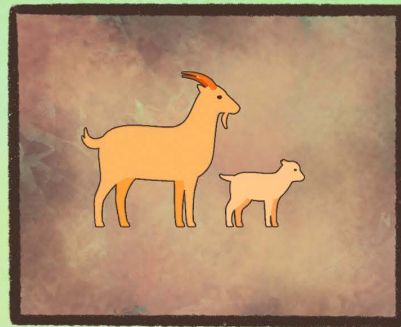


8m



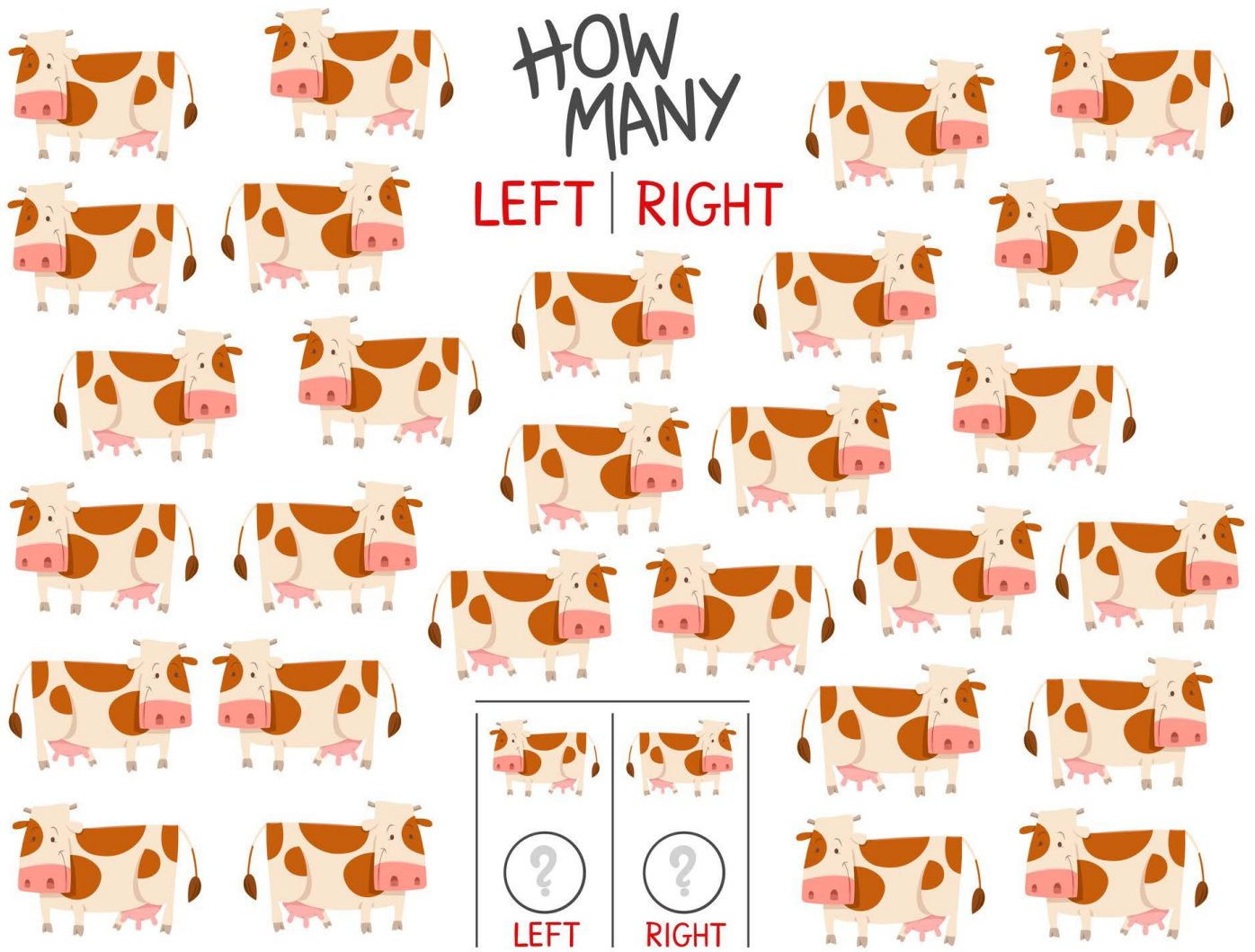
6m

10m



8m





Answers:

| Animal Enclosure | Perimeter (m) | Area (m ²) |
|------------------|---------------|------------------------|
| Cow | 40m | 75m ² |
| Chicken | 24m | 35m ² |
| Llama | 40m | 96m ² |
| Donkey | 34m | 66m ² |
| Pig | 28m | 48m ² |
| Goat | 36m | 80m ² |

Answers: 1) $34m \times €5 = €170$, **2)** $75m^2 \times €10 = €750$, **3)** $(40m \times €5) + (96m^2 \times €10) = 1160$, **4)** $(28m \times €5) + (24m \times €5) = €260$, **5)** $(80m^2 \times €10) + (66m^2 \times €10) = €1460$. **Cow Quiz:** Left 13, Right 15.