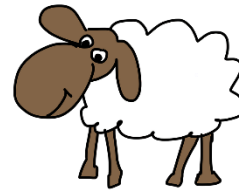**Objective: Solve problems, including missing number problems, involving multiplication and division, including integer scaling problems (e.g. four times as high) and correspondence problems in which m objects are connected to n objects**

Year 3 Task: 'Chickens and Sheep'

Farmer Bill keeps chickens and sheep in one of his fields.

How many legs would he see if there were 8 chickens and 4 sheep in his field?

Worked example

1 chicken has 2 legs.

8 chickens have 16 legs = 8 x 2
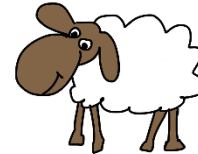
1 sheep has 4 legs.

4 sheep have 16 legs = 4 x 4

Therefore 8 chickens and 4 sheep have 32 legs altogether = 16 legs + 16 legs

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Variation

- **What if…?**

> **2. Farmer Bill keeps chickens and sheep in one of his fields.**
>
> **How many legs would he see if there were 12 chickens and 7 sheep in his field?**

Space for workings

Variation

- **What if…?**

> **3. In a field of sheep and chickens, Farmer Bill counts 48 legs. He knows that there are twice as many chickens as sheep.**
>
> **How many sheep and how many chickens are there in the field?**

Space for workings

Answers:

2. If there were 12 chickens (24 legs) and 7 sheep (28 legs) in a field, there would be 52 legs altogether.
3. If there were 48 legs altogether in the field, with twice as many chickens as sheep, there would be 6 sheep and 12 chickens.

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