

REASONING

6ER15

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ 05 2015

Total score (maximum 20)

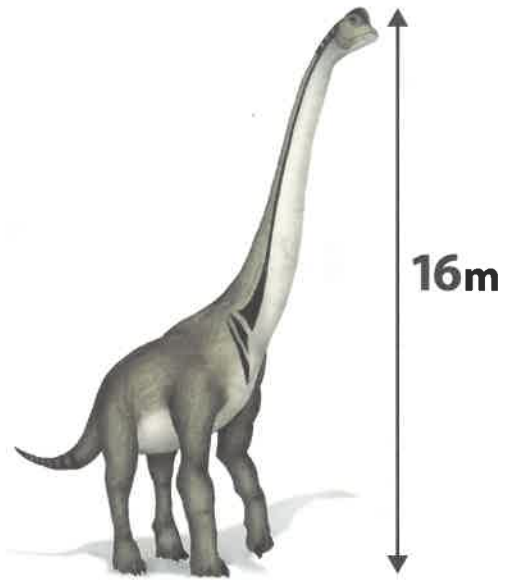


128953



Llywodraeth Cymru
Welsh Government

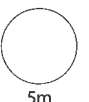
1 The Ultrasaurus was **16m** high.

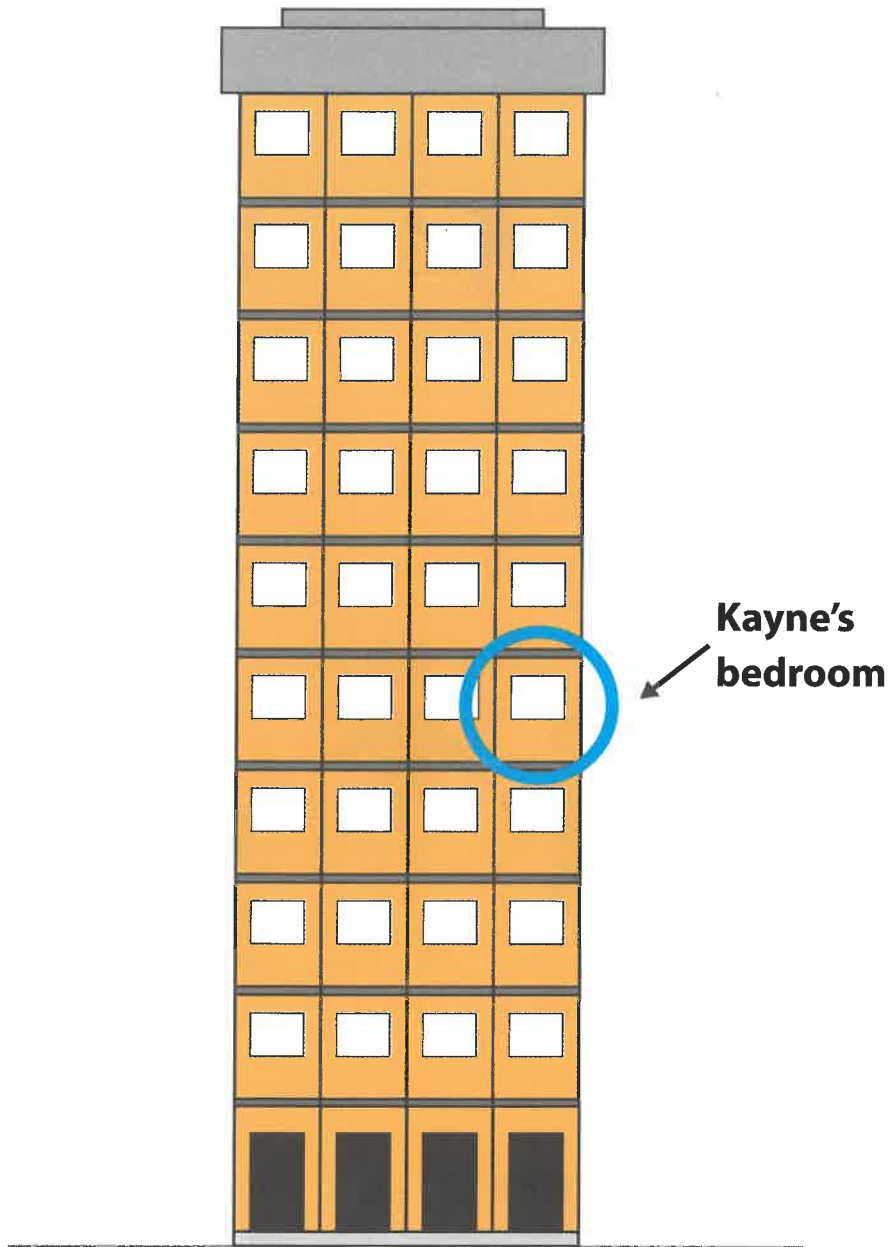


Use the information on the next page.

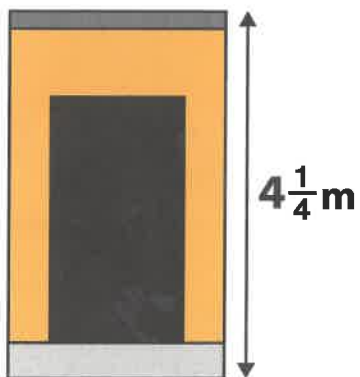
Could the Ultrasaurus see into Kayne's bedroom?

Show calculations to explain how you know.

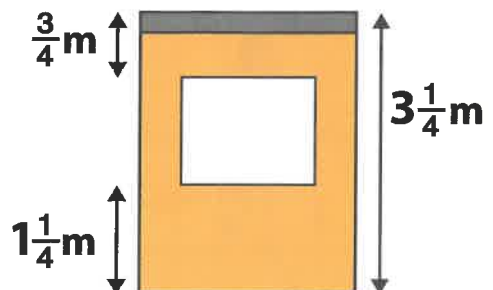
A large rectangular area enclosed by a red border, intended for the student to write their calculations. In the top-left corner of this area, there is a small icon of a notepad with a pencil resting on it.



Ground floor



Other floors

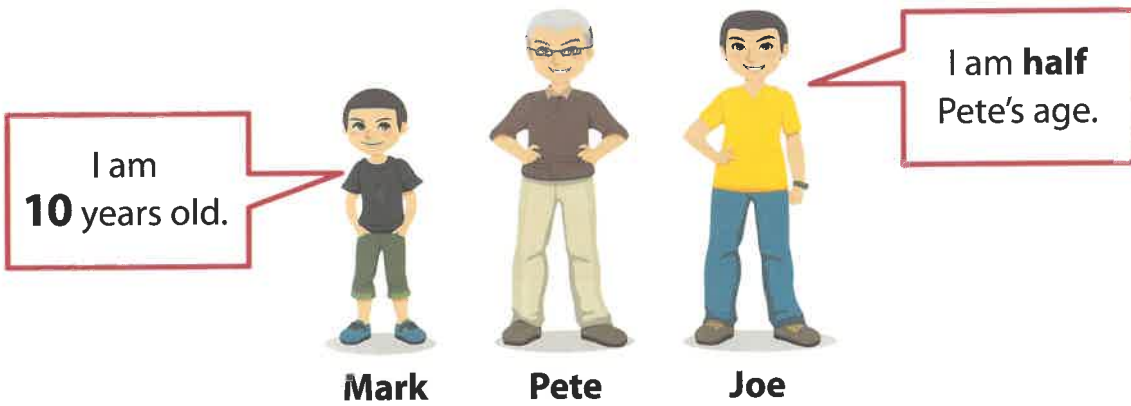


2 Work out how many **even numbers** there are between **1** and **81**



2m

3



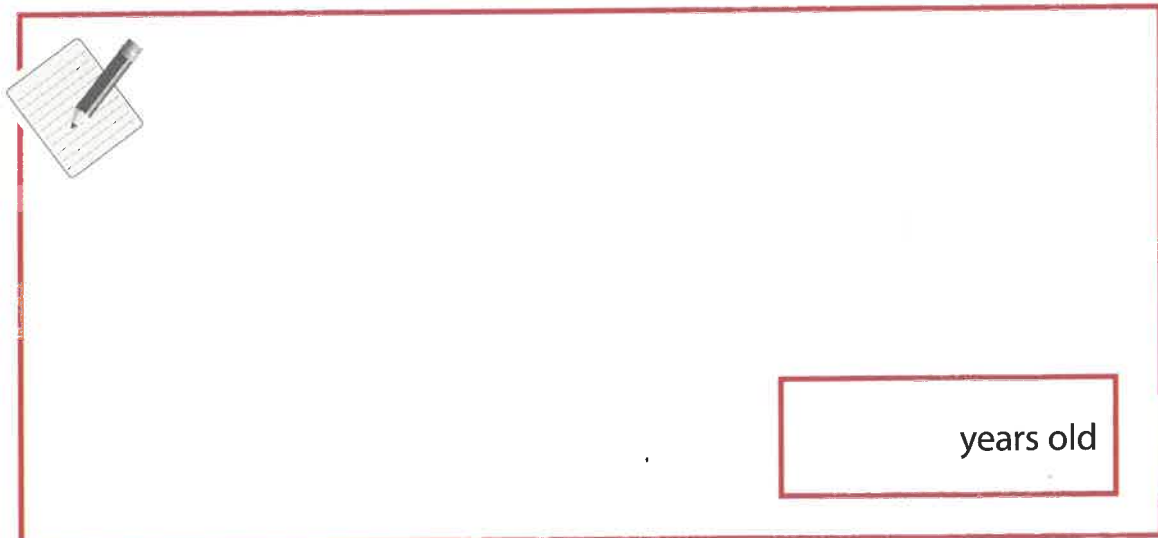
I am **10** years old.

Mark **Pete** **Joe**

I am **half** Pete's age.

The **total** of their ages is **100**

How old is **Pete**?



2m

4

Boats for hire



Small boat,
for **four** people

£11.50

for one hour

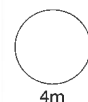
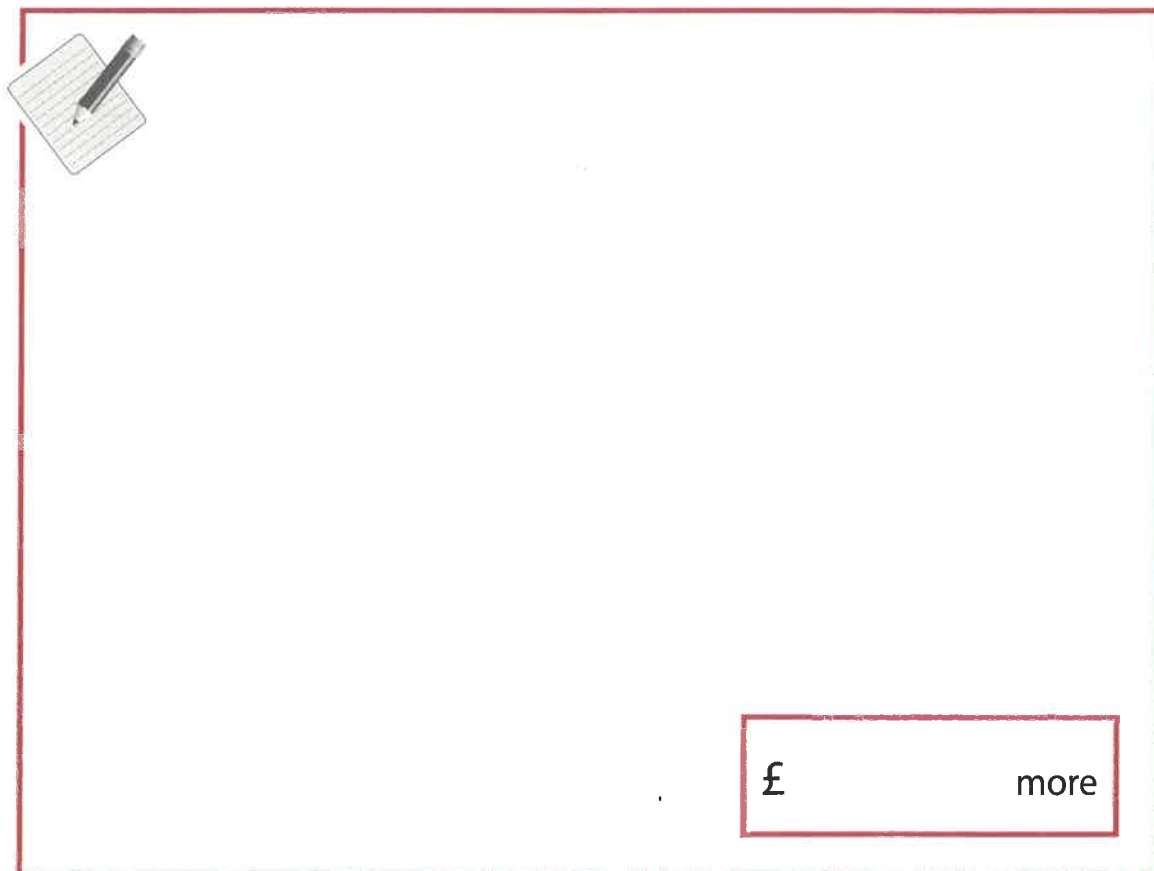
Big boat,
for **six** people

£14.50

for one hour

A group of **twelve** people wants to hire boats for one hour.

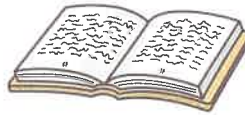
How much **more** will they pay for the small boats than the big boats?



TOTAL

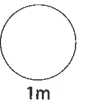


5 Ellie's book is open at a double page.



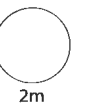
The two page numbers
add to **61**

What will the page numbers on the **next** double page add to?



1m

How do you know that the page numbers on **all** double pages **must** add to an odd number?



2m

6



Length of foot
20.8cm
Shoe size **1**

Length of foot
21.6cm
Shoe size **2**

Length of foot
22.4cm
Shoe size **3**

The length of the monster's foot is **46.4cm**.

What shoe size would he need?

Shoe size