REASONING

6ER15

First name _____

Last name _____

School _____

Class _____

Date of birth ⃝⃝ ⃝⃝ ⃝⃝⃝⃝

Date of test ⃝⃝ ⓪⑤ ②⓪①⑤

Total score ⌑ (maximum 20)

Llywodraeth Cymru
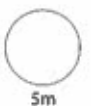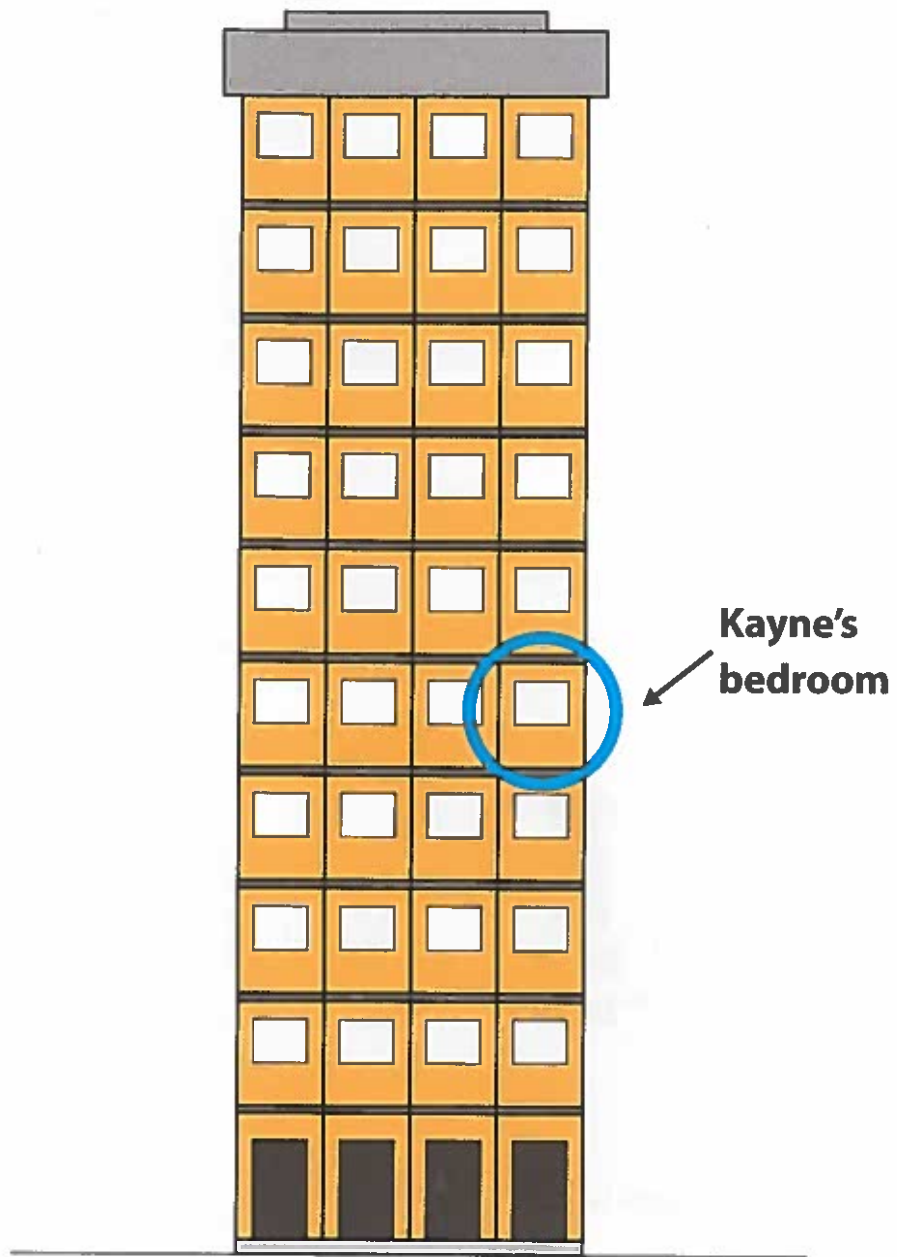Welsh Government

128953

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

16m
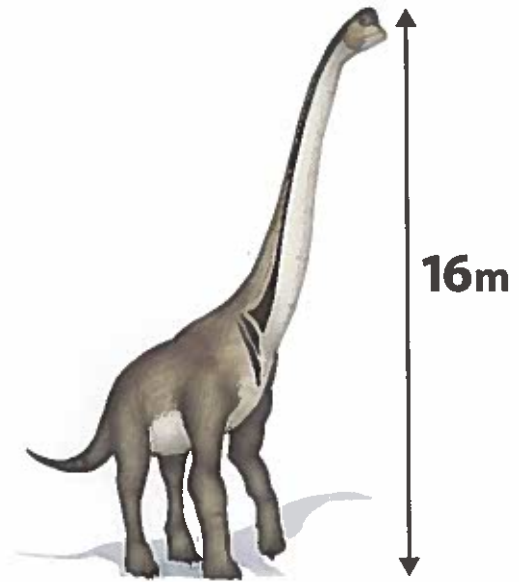
Use the information on the next page.

Could the Ultrasaurus see into Kayne's bedroom?
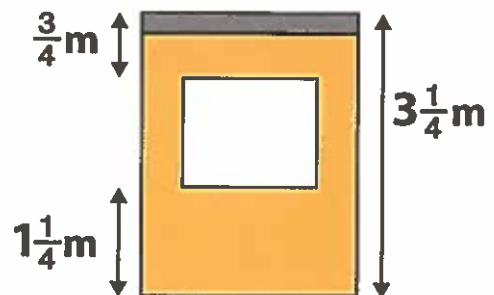
Show calculations to explain how you know.

5m

Kayne's bedroom

Ground floor

$4\frac{1}{4}$ m

Other floors

$\frac{3}{4}$ m

$3\frac{1}{4}$ m

$1\frac{1}{4}$ m

3

TOTAL
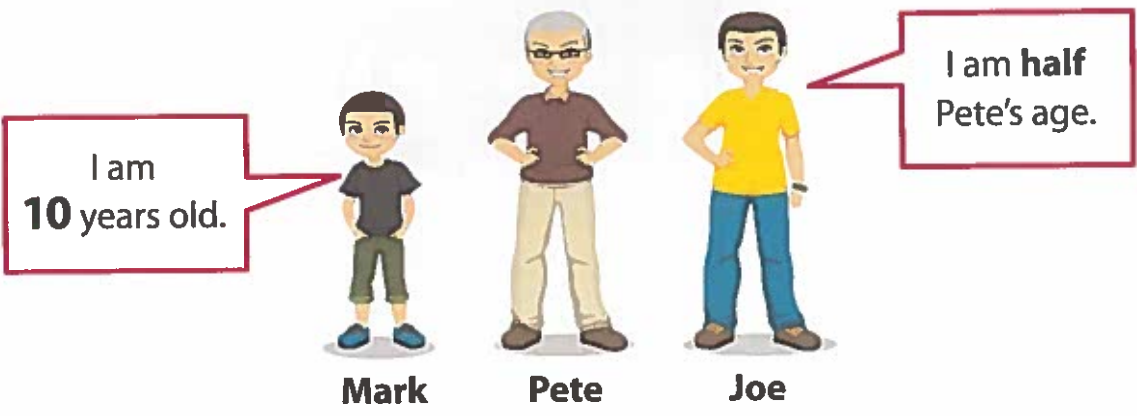
5m
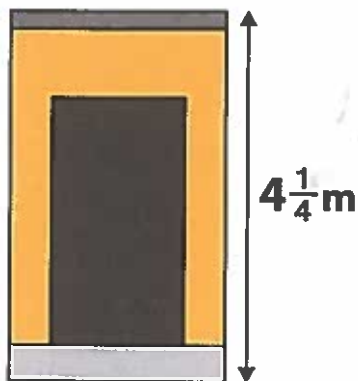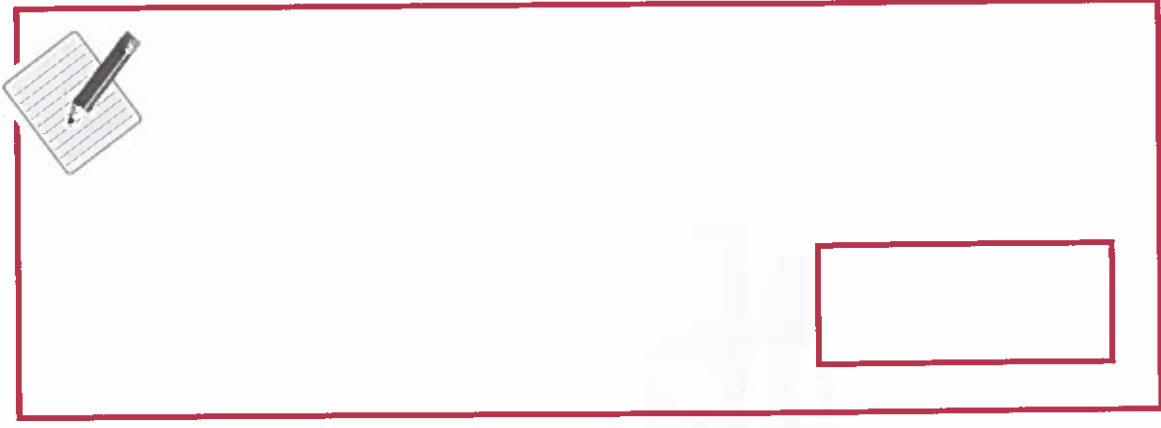
2 Work out how many **even numbers** there are between **1** and **81**

3
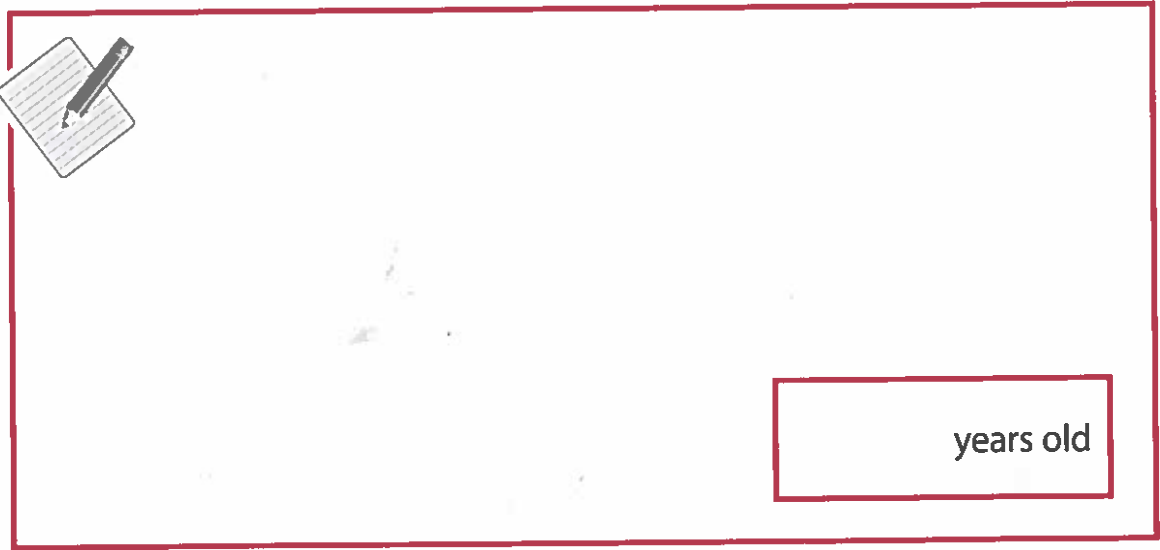
I am **10** years old.

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

Mark   **Pete**   **Joe**

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

How old is **Pete**?

years old

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?
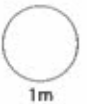
£ _____ more

4m

TOTAL

8m

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?

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

Length of foot **20.8** cm	Length of foot **21.6** cm	Length of foot **22.4** cm
Shoe size **1**	Shoe size **2**	Shoe size **3**

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

What shoe size would he need?

Shoe size

4m

TOTAL

7m