Alien Antics

WALT: add and subtract lenghts.

WILF: I can add two or more length measurements in centimetres. I can find the difference between two length measurements in centimetres.

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Christmas is over and you finally printed your favourite family Christmas photo! You want to put it on the wall, so you need to buy a frame! How will you know the correct size of the frame?

Of course you have to measure the length of both sides! When we want to measure the dimensions of a medium size item, probably something we can hold with our hands, we measure it in centimetres (cm)!

What equipment can we use to measure cm?

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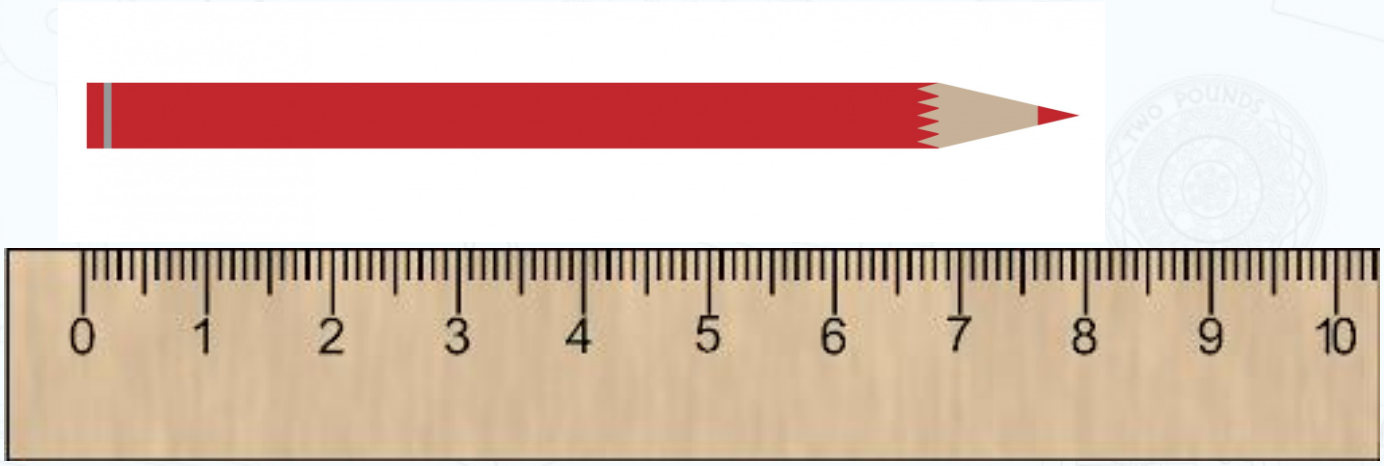
What equipment can we use to measure cm?

We can use a ruler! The numbers on the ruler are the centimetres starting from 0.
That way we can measure a pencil, a water bottle, a book! For example, this pencil is 8 cm!



Meet the Mini Aliens

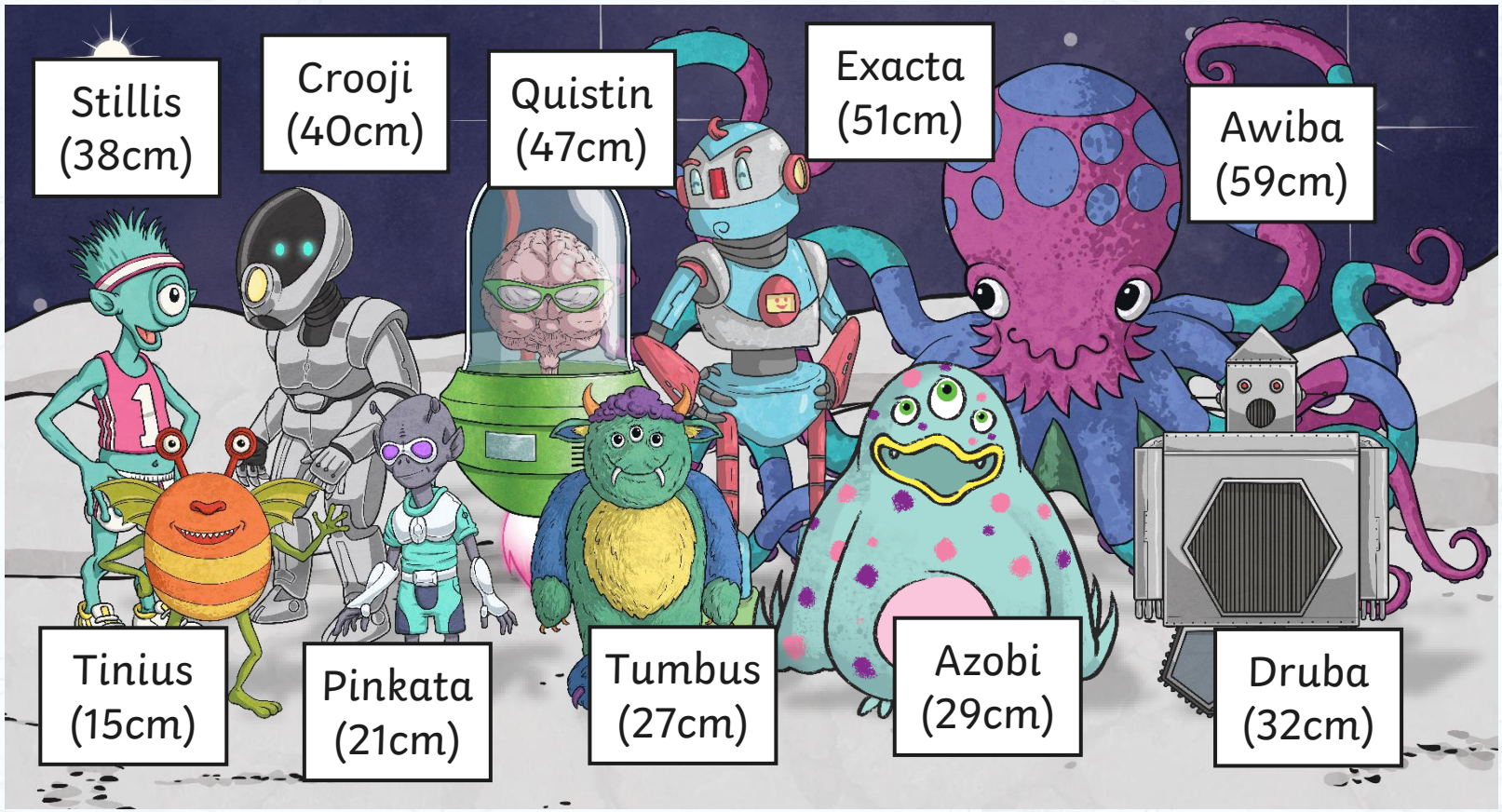
Whole Class

These are the mini aliens, they may be small but they are extremely powerful!

Meet the Mini Aliens

Whole Class

Now we will order the aliens from **smallest** to **largest**.



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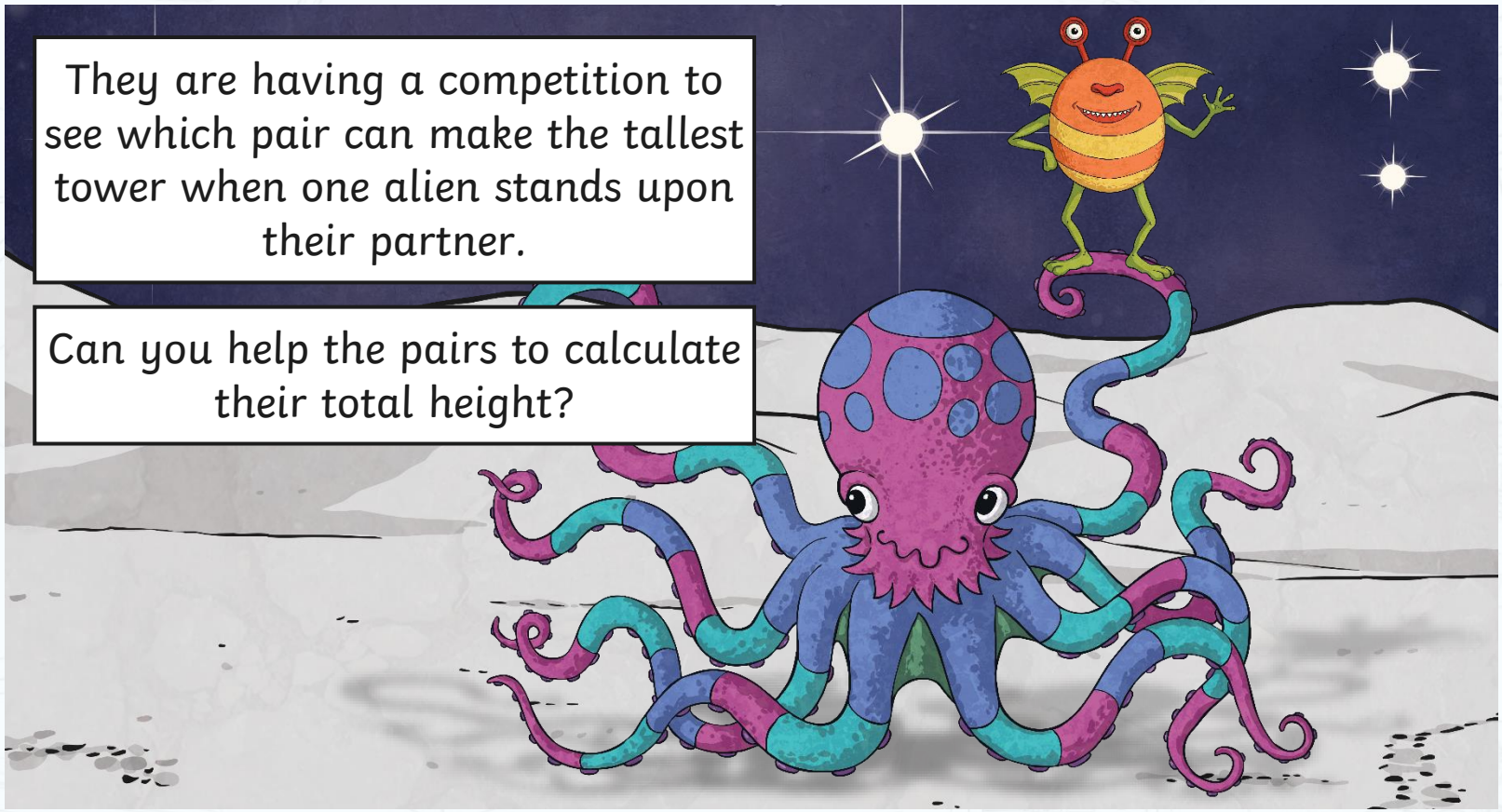
How Tall?

Whole Class

The aliens love competitions.



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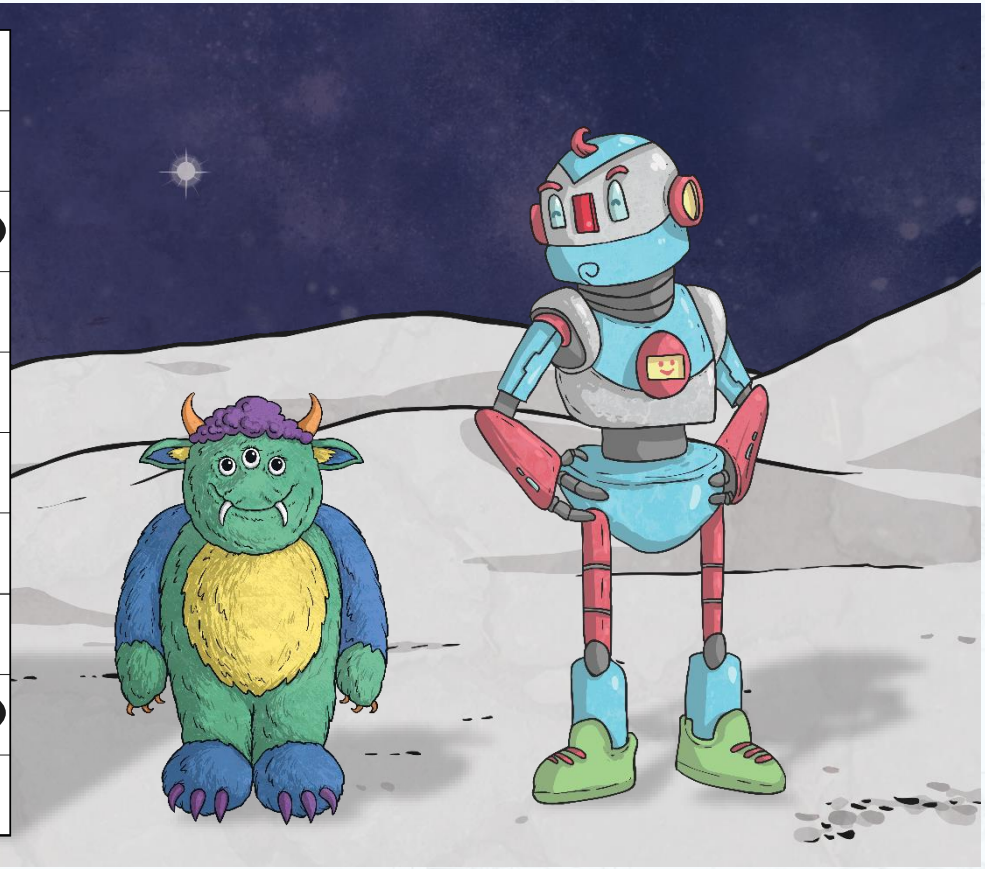
How Tall?

How tall together are Tumbus and Exacta?

Tinius	15cm
Pinkata	21cm
Tumbus	27cm
Azobi	29cm
Druba	32cm
Stillis	38cm
Crooji	40cm
Quistin	47cm
Exacta	51cm
Awiba	59cm



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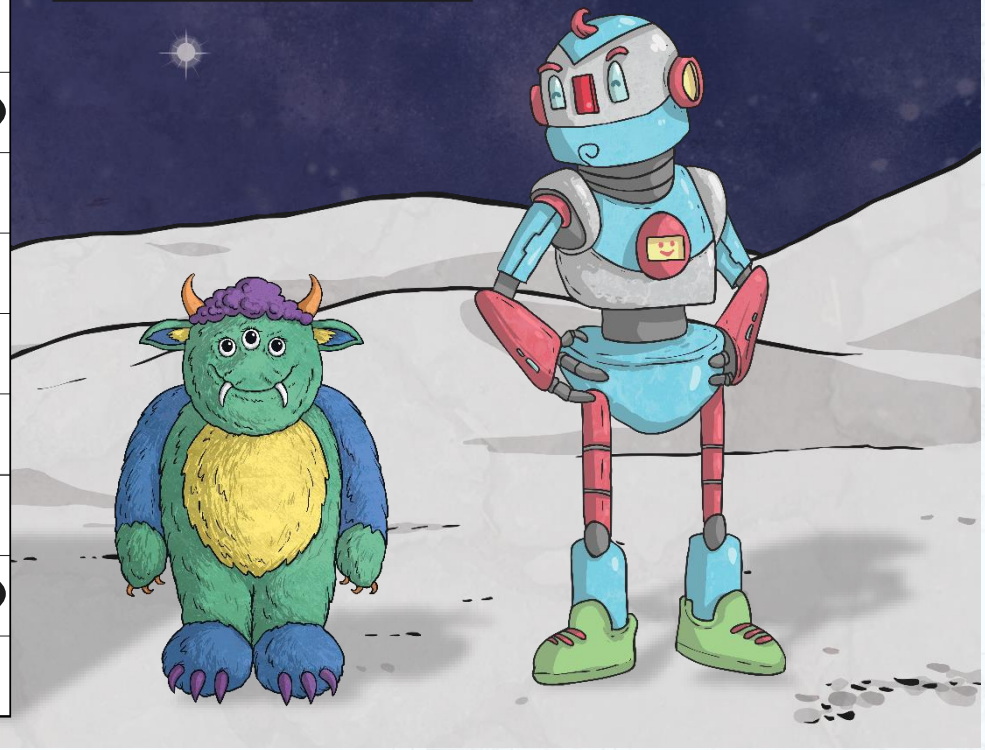
Druba	32cm
Stillis	38cm
Crooji	40cm
Quistin	47cm
Exacta	51cm
Awiba	59cm

27 + 51 = 78cm



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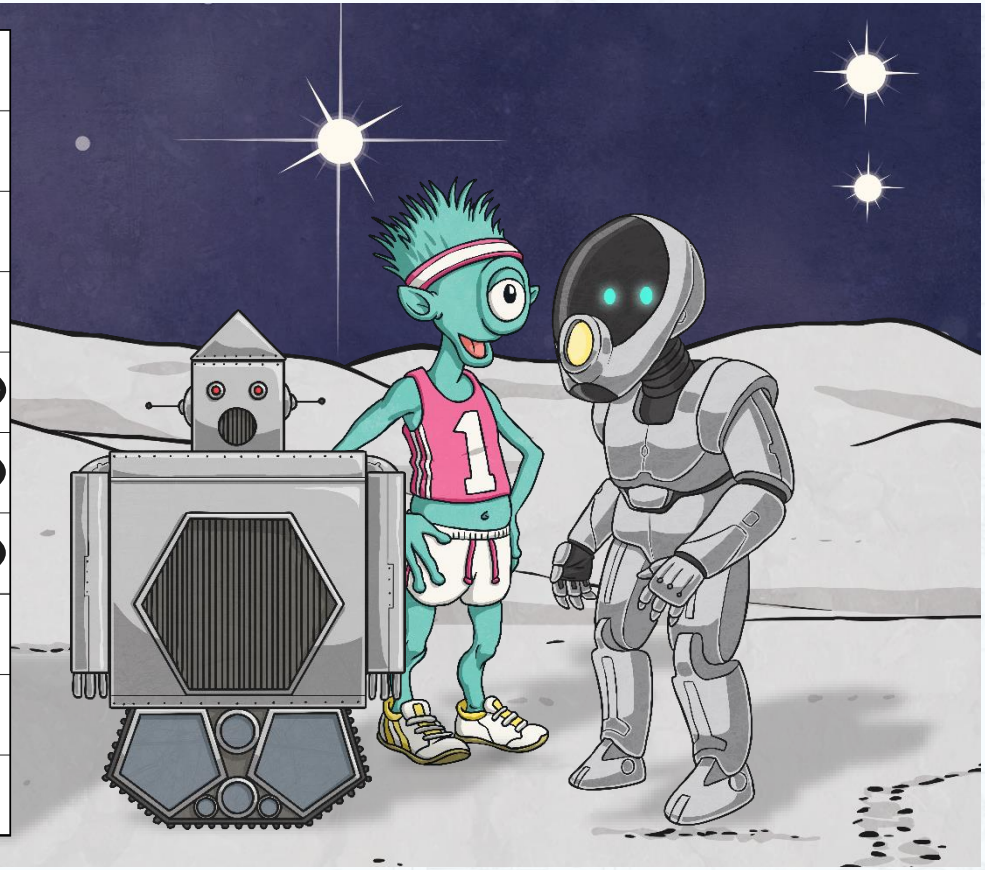
How Tall?

How tall together are Druba, Crooji and Stillis?

Tinius	15cm
Pinkata	21cm
Tumbus	27cm
Azobi	29cm
Druba	32cm
Stillis	38cm
Crooji	40cm
Quistin	47cm
Exacta	51cm
Awiba	59cm



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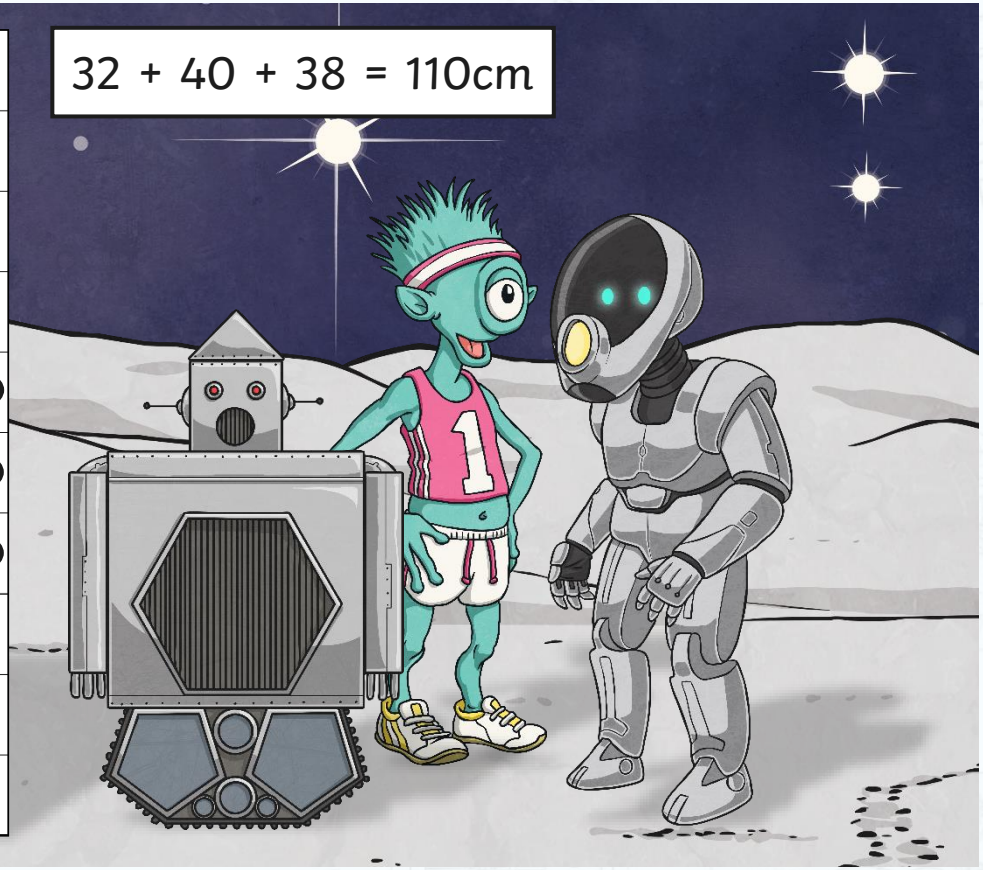
How Tall?

How tall together are Druba, Crooji and Stillis?

Tinius	15cm
Pinkata	21cm
Tumbus	27cm
Azobi	29cm
Druba	32cm
Stillis	38cm
Crooji	40cm
Quistin	47cm
Exacta	51cm
Awiba	59cm

32 + 40 + 38 = 110cm



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How Tall?

Who makes the tallest tower, Tinius and Awiba or Pinkata and Exacta?

Tinius	15cm
Pinkata	21cm
Tumbus	27cm
Azobi	29cm
Druba	32cm
Stillis	38cm
Crooji	40cm
Quistin	47cm
Exacta	51cm
Awiba	59cm

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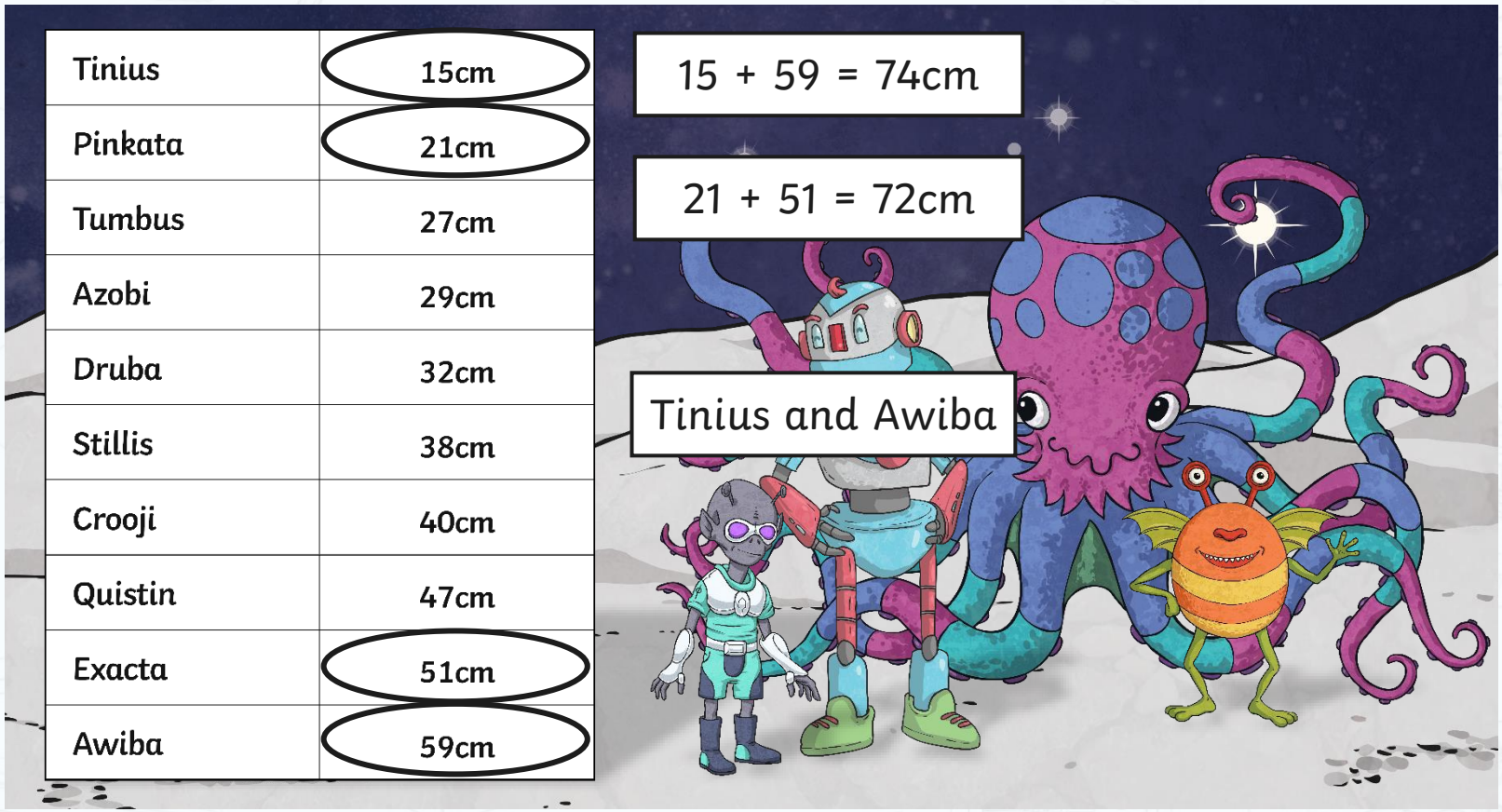
How Tall?

Who makes the tallest tower, Tinius and Awiba or Pinkata and Exacta?

Tinius	15cm
Pinkata	21cm
Tumbus	27cm
Azobi	29cm
Druba	32cm
Stillis	38cm
Crooji	40cm
Quistin	47cm
Exacta	51cm
Awiba	59cm



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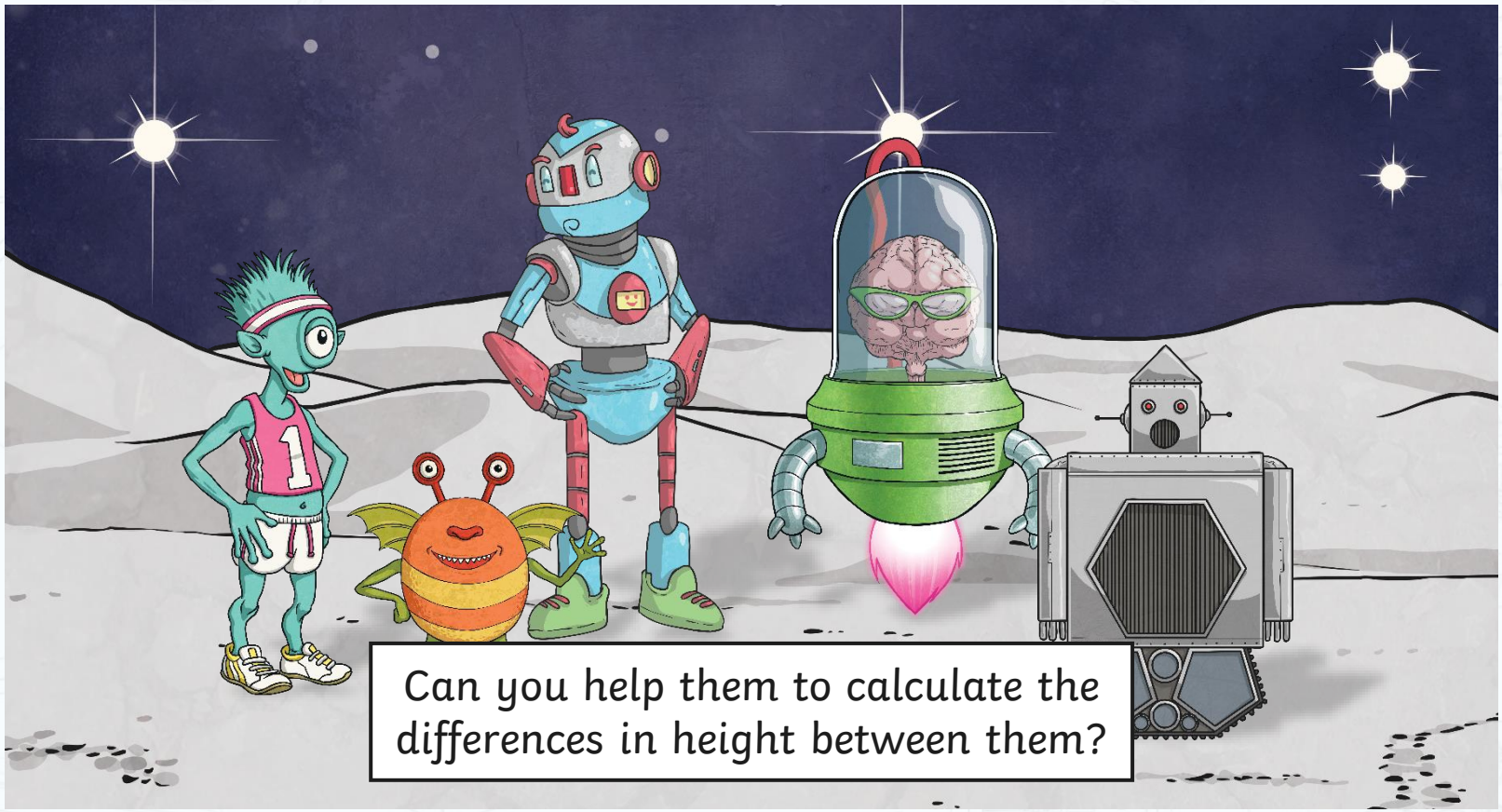
What's the Difference?

Now the aliens are having a competition to see which pair has the greatest difference between their heights.



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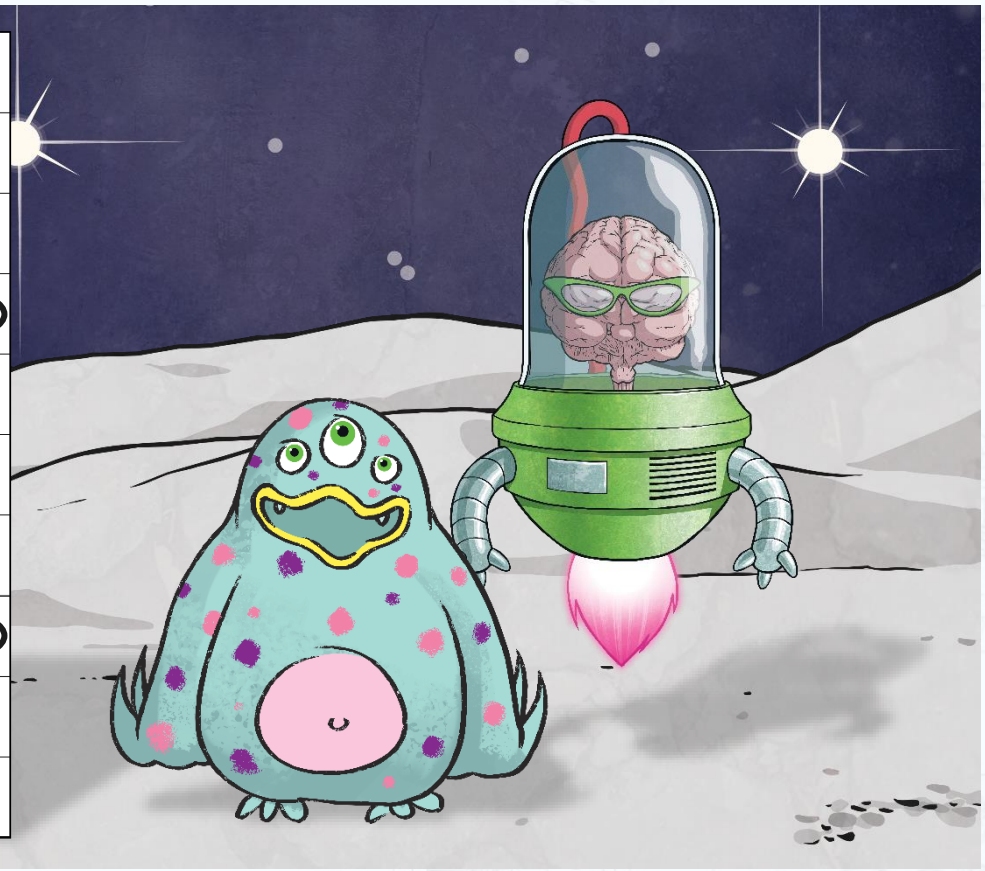
What's the Difference?

How much taller is Quistin than Azobi?

Tinius	15cm
Pinkata	21cm
Tumbus	27cm
Azobi	29cm
Druba	32cm
Stillis	38cm
Crooji	40cm
Quistin	47cm
Exacta	51cm
Awiba	59cm



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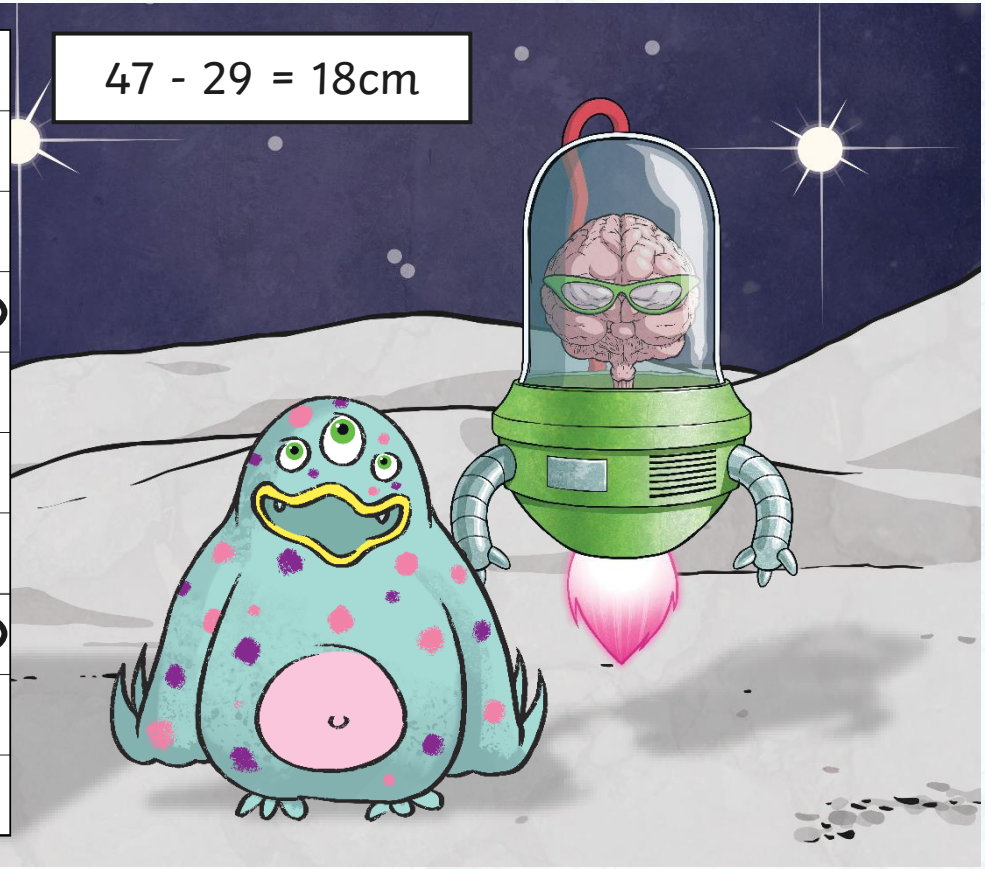
What's the Difference?

How much taller is Quistin than Azobi?

Tinius	15cm
Pinkata	21cm
Tumbus	27cm
Azobi	29cm
Druba	32cm
Stillis	38cm
Crooji	40cm
Quistin	47cm
Exacta	51cm
Awiba	59cm

47 - 29 = 18cm



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What's the Difference?

How much taller is Exacta than Stillis?

Tinius	15cm
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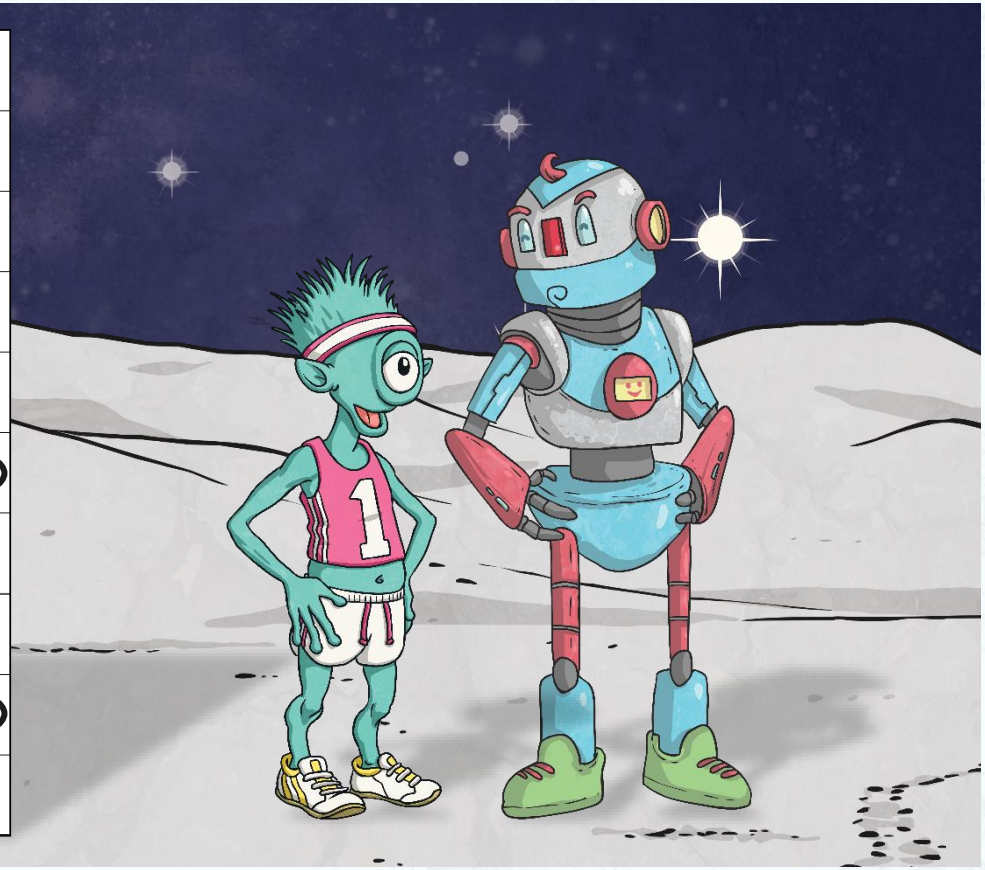

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Crooji	40cm
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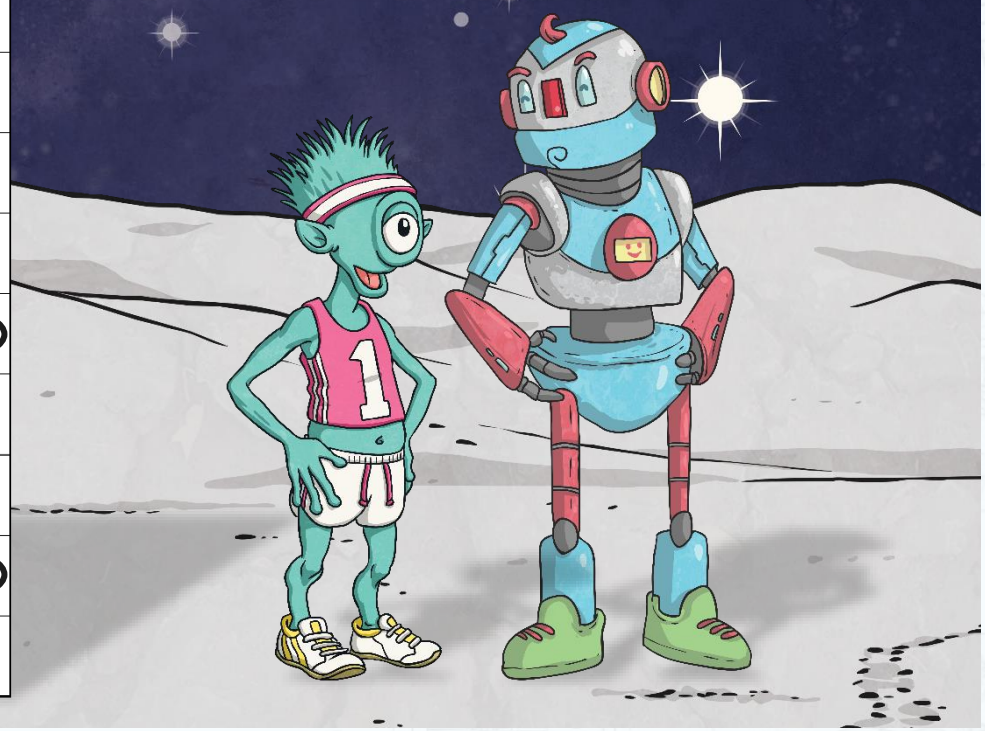
Exacta	51cm
Awiba	59cm

51 - 38 = 13cm



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What's the Difference?

Who are taller – Stillis and Druba or Tumbus and Crooji?

Tinius	15cm
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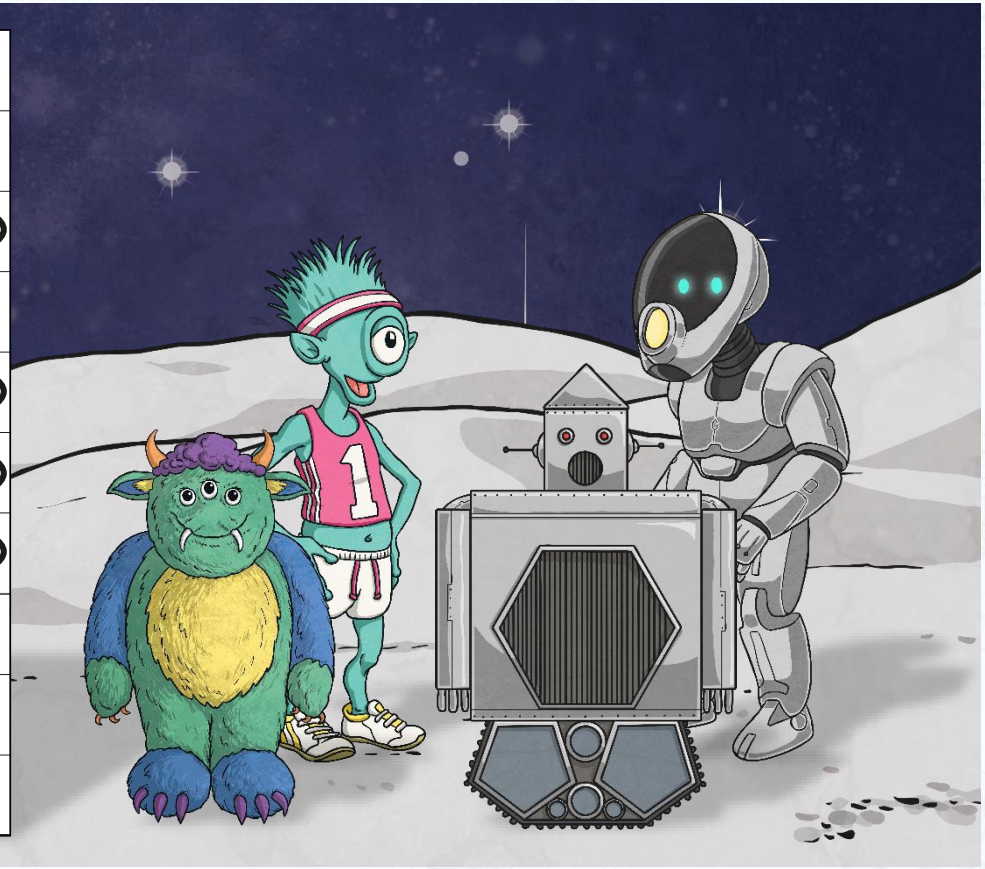

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What's the Difference?

Who are taller – Stillis and Druba or Tumbus and Crooji?

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Tumbus	27cm
Azobi	29cm
Druba	32cm
Stillis	38cm
Crooji	40cm
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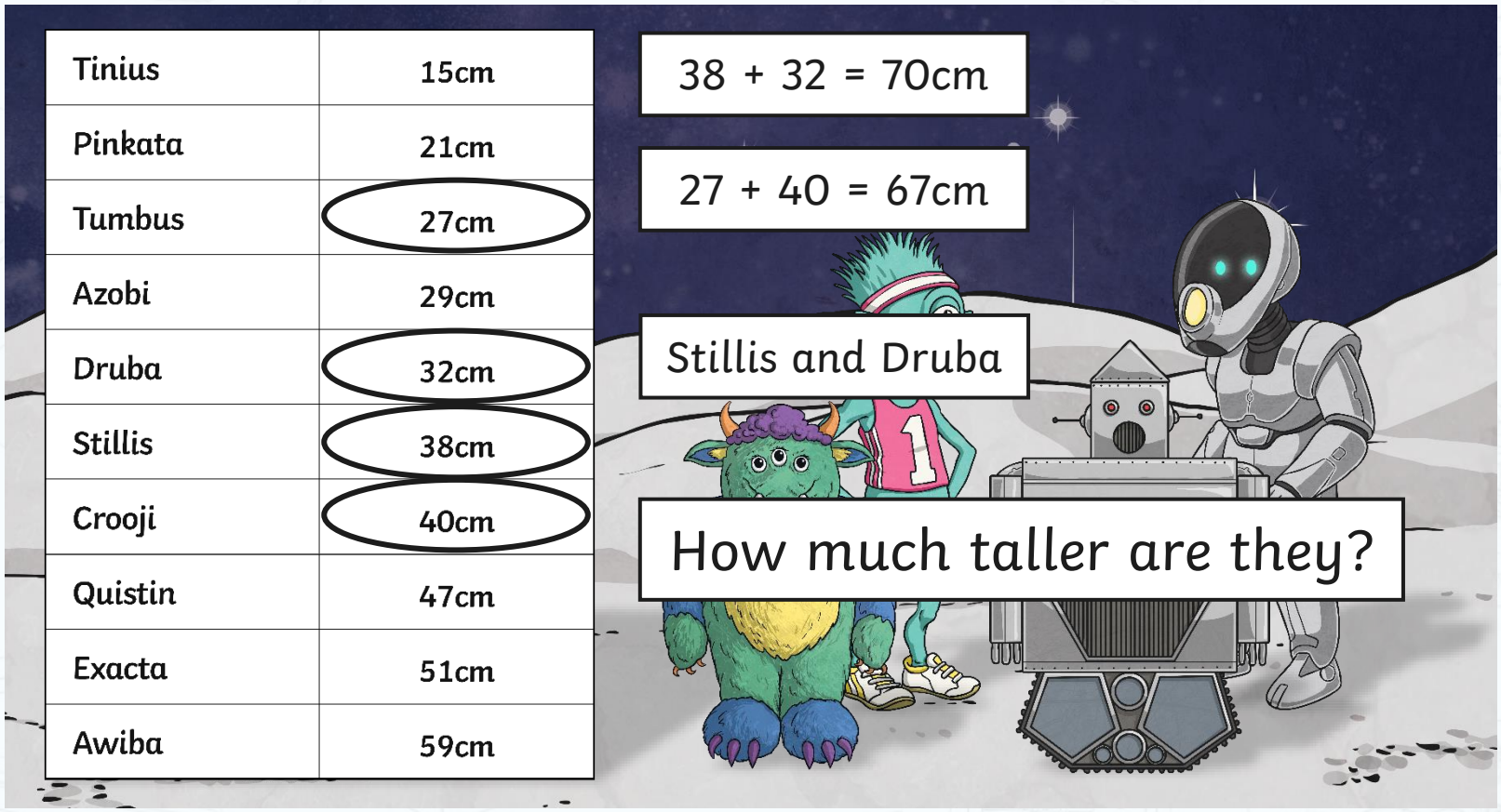
Awiba	59cm

38 + 32 = 70cm

27 + 40 = 67cm

Stillis and Druba

How much taller are they?



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What's the Difference?

Who are taller – Stillis and Druba or Tumbus and Crooji?

Tinius	15cm
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Druba	32cm
Stillis	38cm
Crooji	40cm
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Exacta	51cm
Awiba	59cm

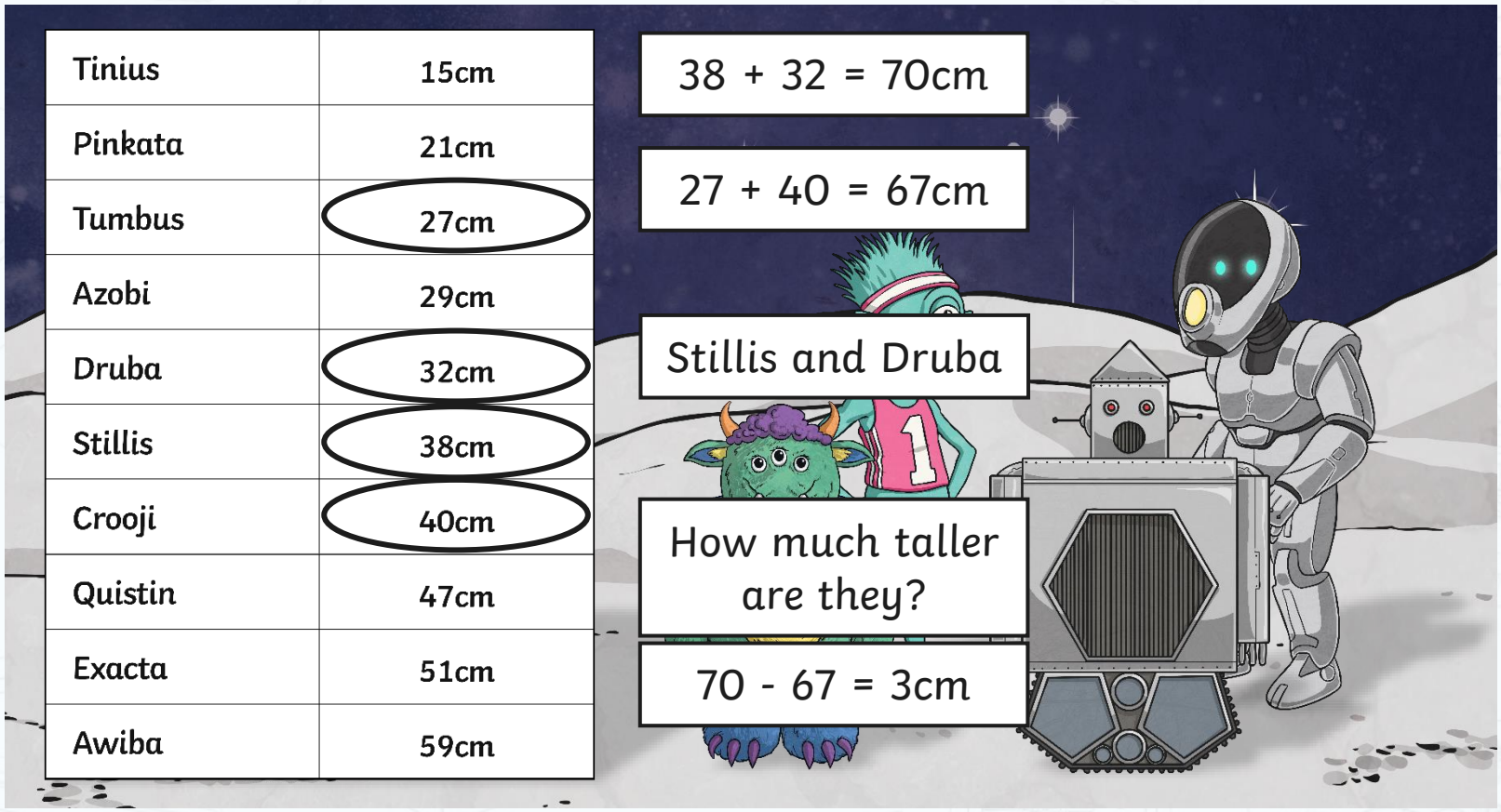
38 + 32 = 70cm

27 + 40 = 67cm

Stillis and Druba

How much taller are they?

70 - 67 = 3cm



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What's the Difference?

Azobi and which alien measure 69cm in total?

Tinius	15cm
Pinkata	21cm
Tumbus	27cm
Azobi	29cm
Druba	32cm
Stillis	38cm
Crooji	40cm
Quistin	47cm
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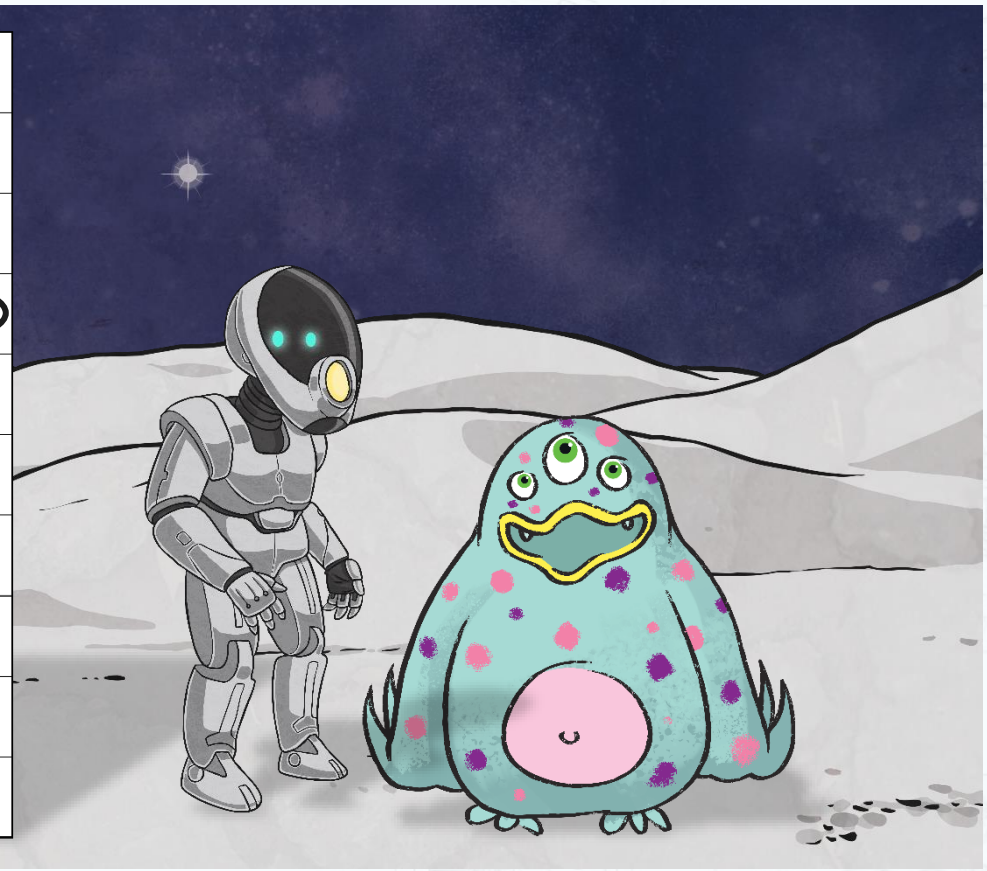

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Crooji	40cm
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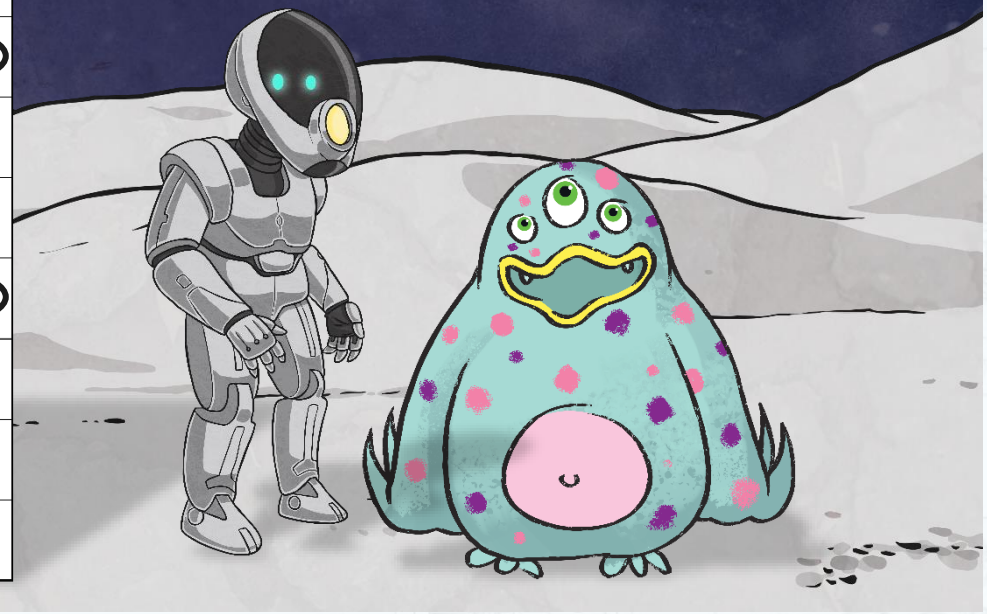
Exacta	51cm
Awiba	59cm

69 - 29 = 40cm

Crooji



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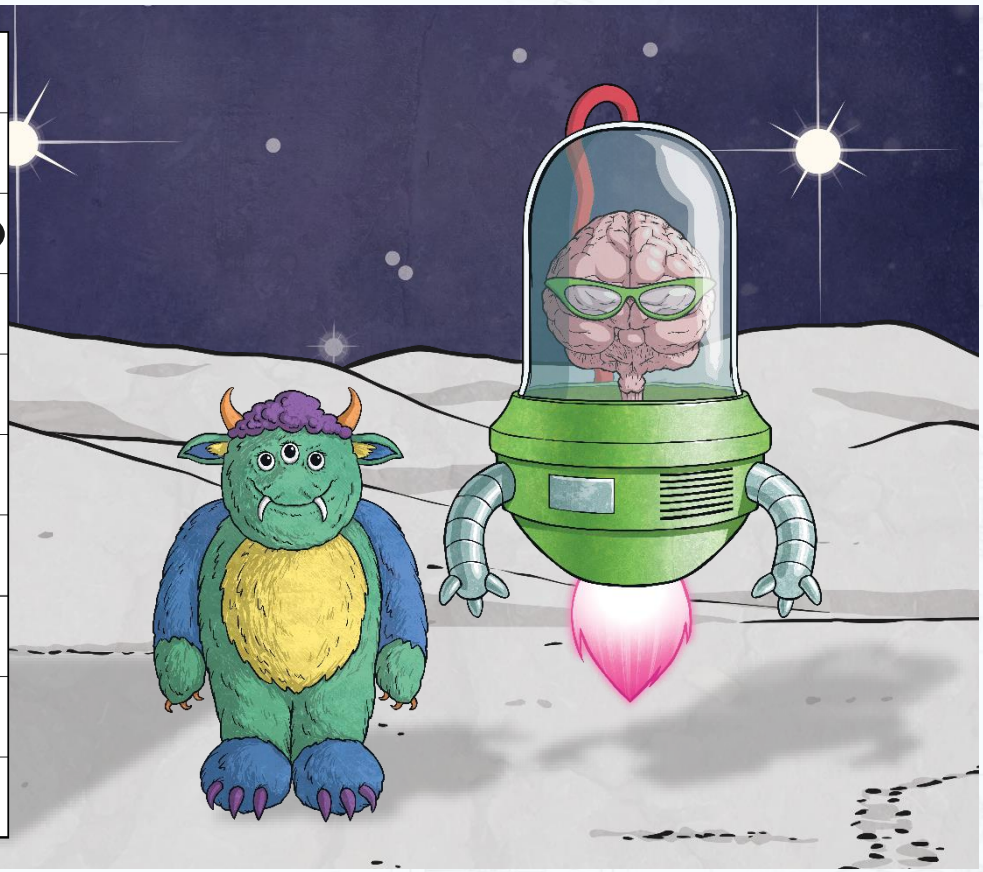
What's the Difference?

Tumbus and which alien measure 74cm in total?

Tinius	15cm
Pinkata	21cm
Tumbus	27cm
Azobi	29cm
Druba	32cm
Stillis	38cm
Crooji	40cm
Quistin	47cm
Exacta	51cm
Awiba	59cm



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Stillis	38cm
Crooji	40cm
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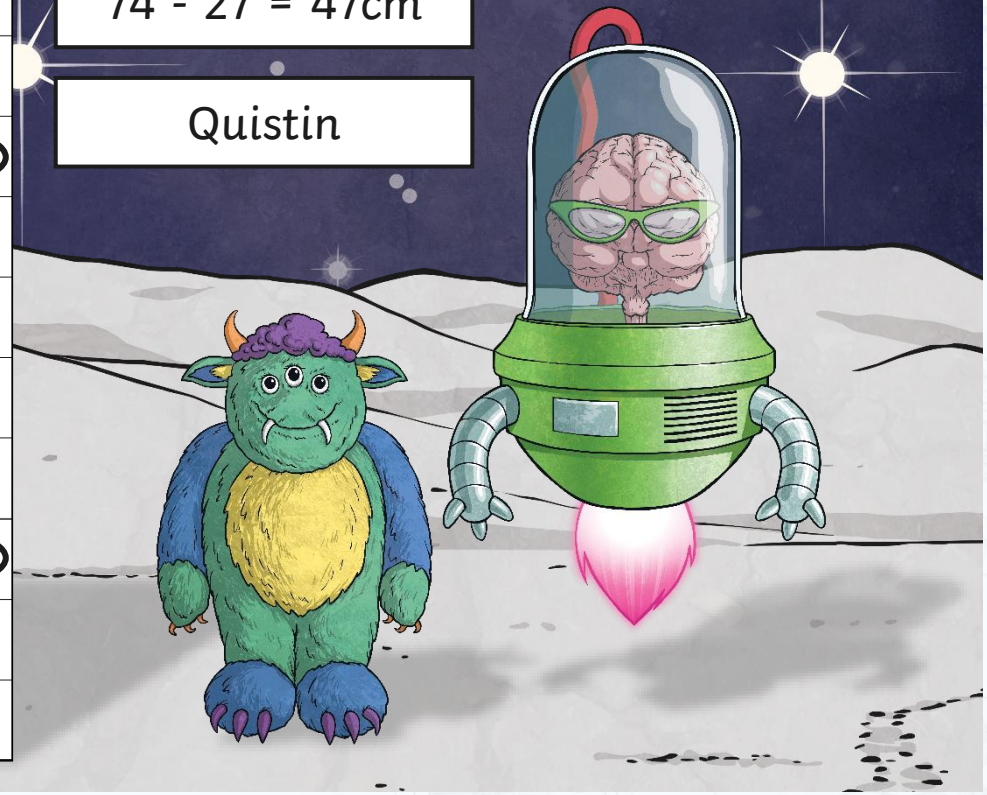
Exacta	51cm
Awiba	59cm

74 - 27 = 47cm

Quistin



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Plenary: What's the Difference?

Which pair of aliens will have the greatest difference in height?
Can you explain your answer?

Tinius	15cm
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Tumbus	27cm
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Druba	32cm
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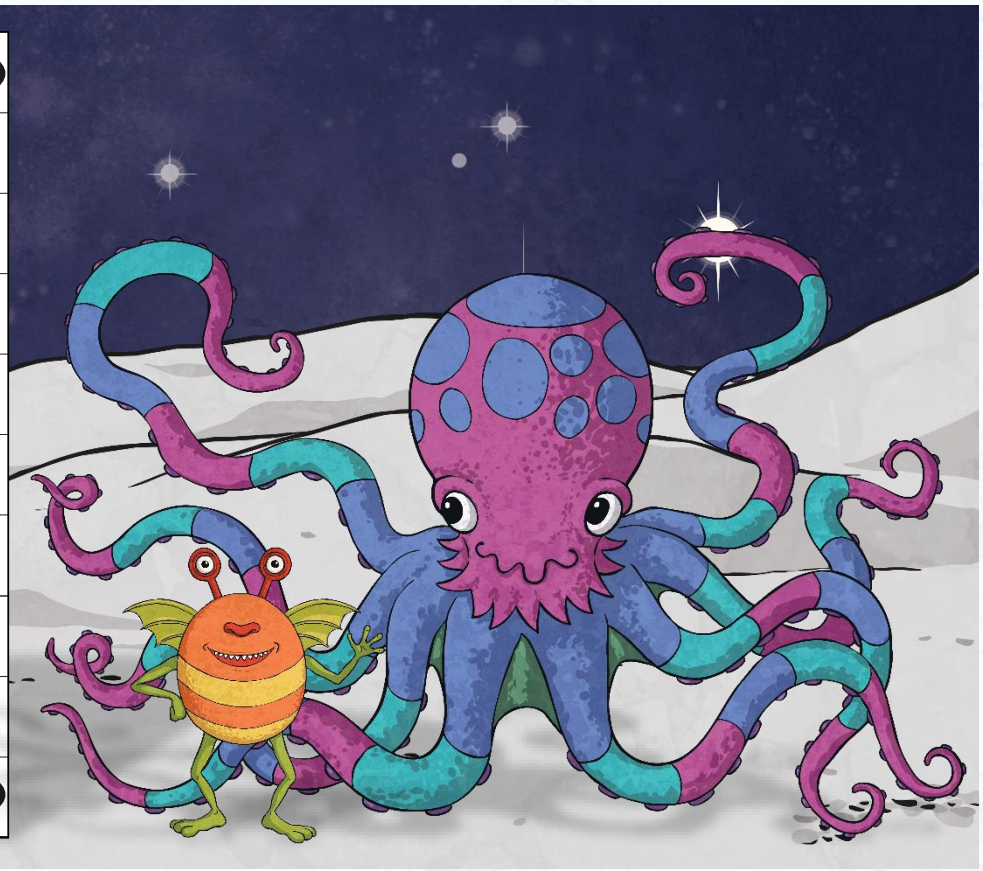

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Awiba and Tinius have a difference in height of 44cm.

This is the greatest difference.

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