

**Q4 (Problem Solving) Day 4 Name:** \_\_\_\_\_

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**1.** Four boys named Sam, John, Derek and Michael are standing in **order of increasing height**.

- John is taller than Michael
- Michael is taller than Derek
- Sam is taller than John
- Sam is taller than Derek

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

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(shortest)

(tallest)

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**2.** Four girls named Gemma, Rachel, Monica and Isla are standing in **order of increasing height**.

- Monica is taller than Gemma
- Rachel is taller than Isla
- Gemma is taller than Isla
- Monica is taller than Rachel
- Rachel is taller than Gemma

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

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(shortest)

(tallest)

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3. Four boys named Pat, Barney, Toby and Aaron are standing in **order of increasing height**.

- Aaron is taller than Barney
- Toby is taller than Pat
- Pat is taller than Barney
- Aaron is taller than Toby

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

\_\_\_\_\_ (shortest) \_\_\_\_\_ (tallest)

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4. Four girls named Clare, Jen, Lizzy and Hannah are standing in **order of increasing height**.

- Jen is taller than Lizzy
- Clare is taller than Hannah
- Jen is taller than Clare
- Lizzy is taller than Hannah
- Clare is taller than Lizzy

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

\_\_\_\_\_ (shortest) \_\_\_\_\_ (tallest)

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5. Four boys named Matthew, Conor, Ross and Ethan are standing in **order of increasing height**.

- Matthew is taller than Conor
- Ethan is taller than Matthew
- Ross is taller than Matthew
- Ethan is taller than Ross

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

\_\_\_\_\_ (shortest) \_\_\_\_\_ (tallest)

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6. Four girls named Zara, Elaine, Emma and Olivia are standing in **order of increasing height**.

- Elaine is taller than Zara
- Olivia is taller than Emma
- Emma is taller than Zara
- Elaine is taller than Olivia

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

\_\_\_\_\_ (shortest) \_\_\_\_\_ (tallest)

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7. Four boys named Liam, Mason, Jacob and William are standing in **order of increasing height**.

- Mason is taller than Jacob
- William is taller than Jacob
- Mason is taller than William
- Liam is taller than Mason

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

\_\_\_\_\_ (shortest) \_\_\_\_\_ (tallest)

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8. Four girls named Sophia, Ava, Mia and Emily are standing in **order of increasing height**.

- Mia is taller than Ava
- Emily is taller than Mia
- Sophia is taller than Mia
- Emily is taller than Sophia

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

\_\_\_\_\_ (shortest) \_\_\_\_\_ (tallest)

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9. Four boys named Dylan, James, Ben and Dan are standing in **order of increasing height**.

- James is taller than Dan
- Ben is taller than Dan
- James is taller than Dylan
- Dylan is taller than Ben

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

\_\_\_\_\_ (shortest) \_\_\_\_\_ (tallest)

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10. Four girls named Sophie, Chloe, Ella and Scarlett are standing in **order of increasing height**.

- Ella is taller than Chloe
- Sophie is taller than Ella
- Chloe is taller than Scarlett
- Ella is taller than Scarlett

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

\_\_\_\_\_ (shortest) \_\_\_\_\_ (tallest)

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11. Four boys named Logan, David, Ollie and Joseph are standing in **order of increasing height**.

- David is taller than Ollie
- Joseph is taller than Logan
- Ollie is taller than Logan
- David is taller than Joseph
- Joseph is taller than Ollie

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

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(shortest)

(tallest)

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12. Four girls named Lily, Zoe, Samantha and Anna are standing in **order of increasing height**.

- Zoe is taller than Lilly
- Samantha is taller than Anna
- Anna is taller than Lilly
- Samantha is taller than Zoe
- Zoe is taller than Anna

Use this information to **work out the order** in which they are standing. Write the **correct name** in each of the space below.

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(shortest)

(tallest)

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**Answers**

|                     |                |               |                 |
|---------------------|----------------|---------------|-----------------|
| <b>1. Derek</b>     | <b>Michael</b> | <b>John</b>   | <b>Sam</b>      |
| <b>2. Isla</b>      | <b>Gemma</b>   | <b>Rachel</b> | <b>Monica</b>   |
| <b>3. Barney</b>    | <b>Pat</b>     | <b>Toby</b>   | <b>Aaron</b>    |
| <b>4. Hannah</b>    | <b>Lizzy</b>   | <b>Clare</b>  | <b>Jen</b>      |
| <b>5. Conor</b>     | <b>Matthew</b> | <b>Ross</b>   | <b>Ethan</b>    |
| <b>6. Zara</b>      | <b>Emma</b>    | <b>Olivia</b> | <b>Elaine</b>   |
| <b>7. Jacob</b>     | <b>William</b> | <b>Mason</b>  | <b>Liam</b>     |
| <b>8. Ava</b>       | <b>Mia</b>     | <b>Sophia</b> | <b>Emily</b>    |
| <b>9. Dan</b>       | <b>Ben</b>     | <b>Dylan</b>  | <b>James</b>    |
| <b>10. Scarlett</b> | <b>Chloe</b>   | <b>Ella</b>   | <b>Sophie</b>   |
| <b>11. Logan</b>    | <b>Ollie</b>   | <b>Joseph</b> | <b>David</b>    |
| <b>12. Lilly</b>    | <b>Anna</b>    | <b>Zoe</b>    | <b>Samantha</b> |