

# National 4/5



## Questions on:

Dimensioning  
Scale  
Symbols

## Graphic Communication

Pupil Name:

Teacher:

National 4/5 Graphic Communication

1. What is the name of the standards that dimensions are drawn to?

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2. Why is it important that all dimensions follow the same standard?

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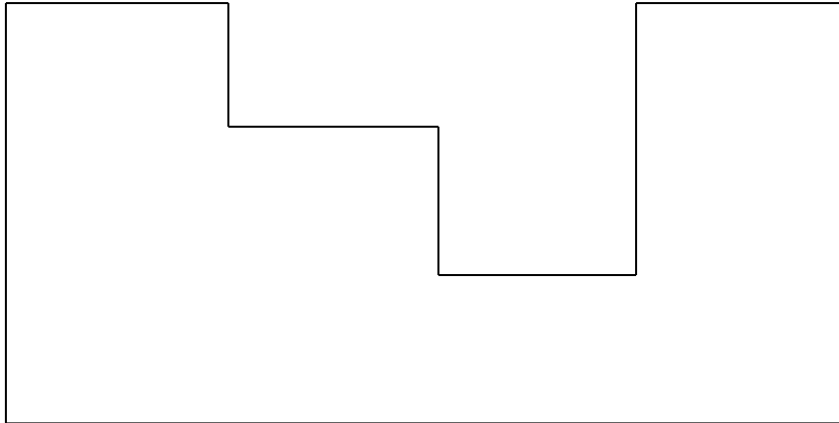
3. What unit of measurement do we always measure in?

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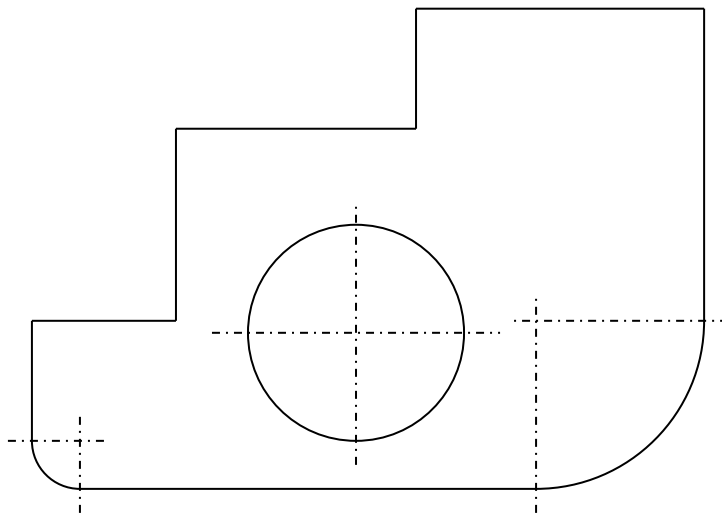
4. Complete the horizontal and vertical dimensions of the rectangle below to the correct British Standards.



5. Fully dimension the block below to the correct British Standards.



6. Fully dimension the block below to the correct British Standards.



7. What are scale drawings?

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8. Why do we use scale drawings?

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9. Write down how to work out what a scale of 1:2 means? Explain what you do.

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10. What do the following scales mean?

1:50 \_\_\_\_\_

10:1 \_\_\_\_\_

3:1 \_\_\_\_\_

1:250 \_\_\_\_\_

11. What is a sign used for?

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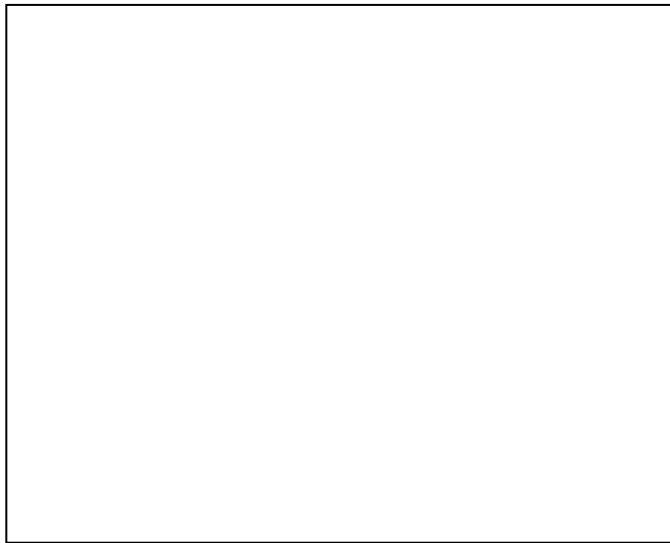
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12. What must carry the Kitemark symbol?

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13. In the space below, sketch the Kitemark symbol.



14. What advantage to companies is there for their products to carry the recycled symbol?

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15. What is the main advantage of using signs to convey information rather than words?

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16. Why are signs standardised across many countries?

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17. What shape and colour are warning signs? Use a sketch to help show your answer.

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18. What shape and colour are Prohibition signs? Use a sketch to help show your answer.

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19. What shape and colour are Mandatory action signs? Use a sketch to help show your answer.

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20. What shape and colour are Safe Condition signs? Use a sketch to help show your answer.

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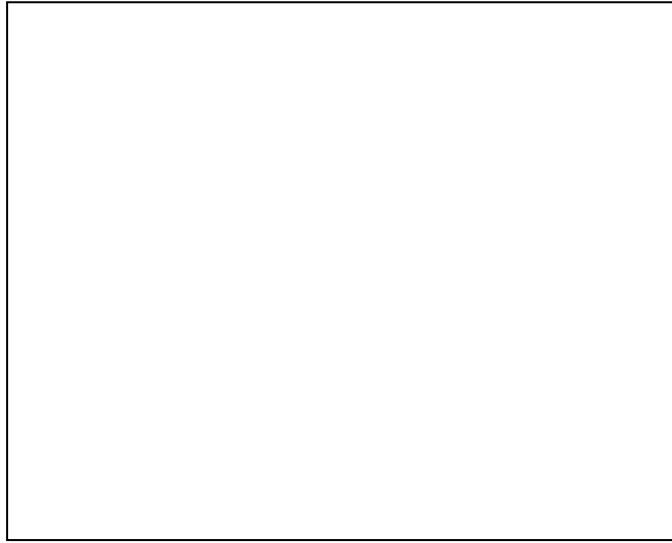
21. What shape and colour are Fire Safety signs? Use a sketch to help show your answer.

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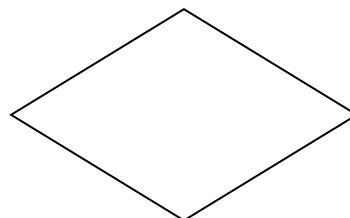
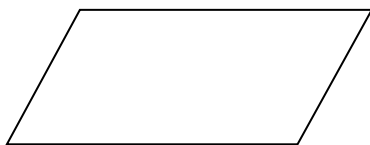
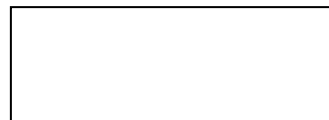
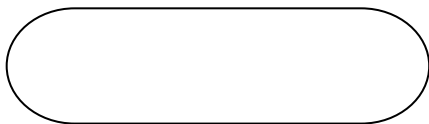
22. In the space below, sketch the disabled symbol.



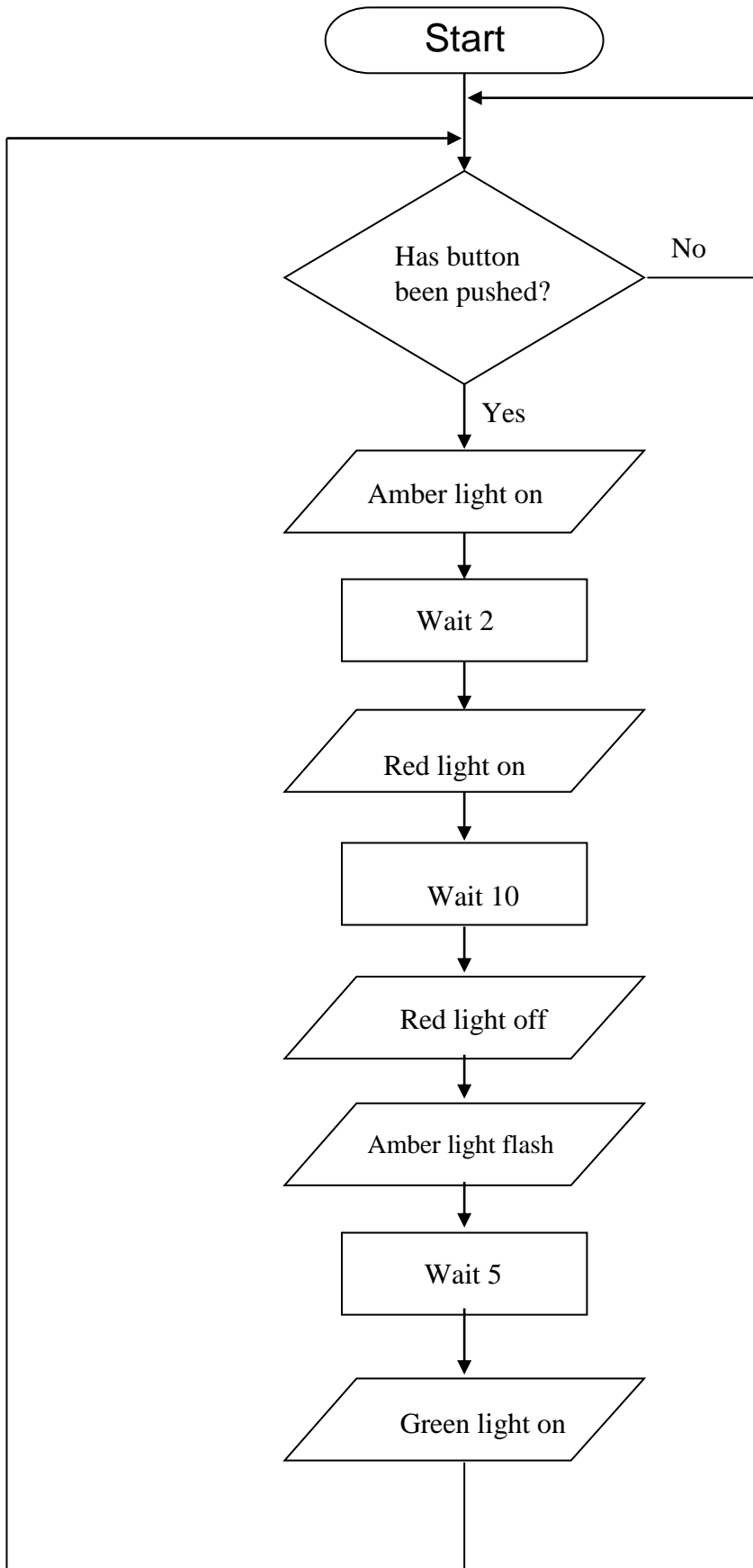
23. Where would you commonly see the male and female signs?



24. Label each of the flowchart symbols drawn below.

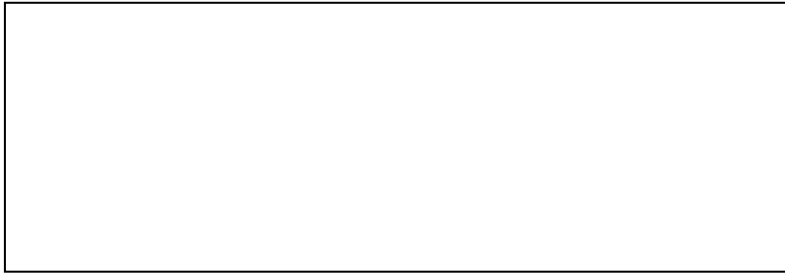


25. What everyday process is being described in the flowchart below?





26. Draw the 3<sup>rd</sup> Angle Projection symbol in the space provided below.



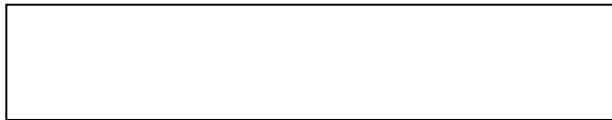
27. Why are drawing lines all drawn to the same standard?

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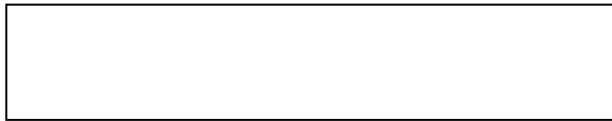
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28. Draw the following line types in the spaces provided.

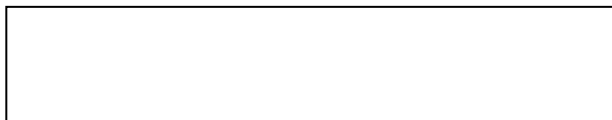
(a) Centre line



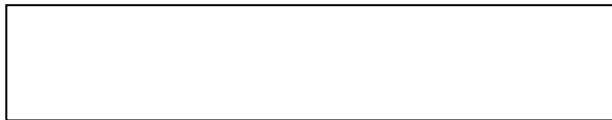
(b) Fold line



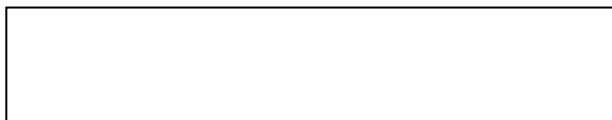
(c) Hidden detail



(d) Outline



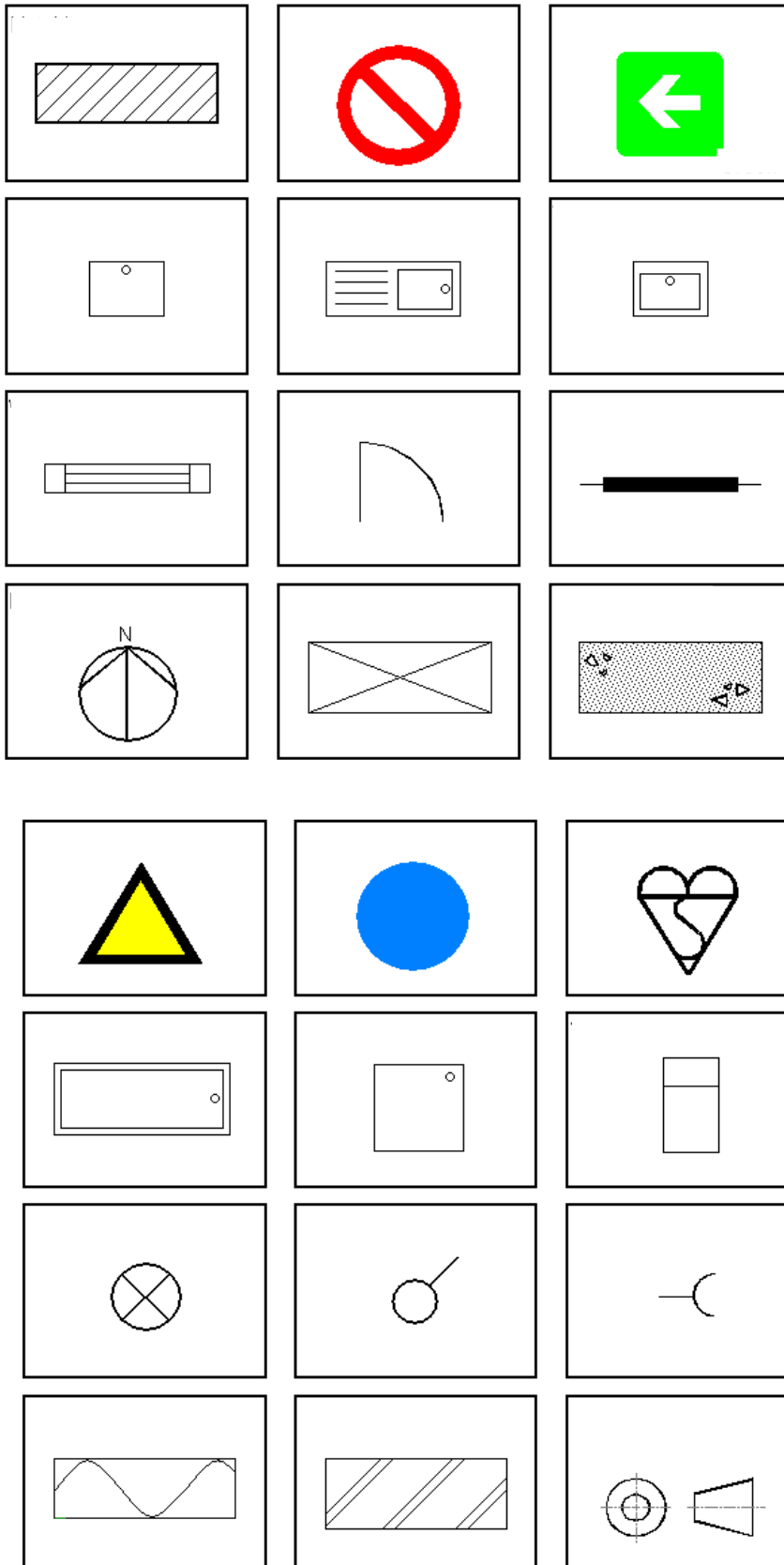
(e) Construction line



(f) Cutting plane



29. In the spaces below name the British Standard symbols.



30. What are storyboards?

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31. Name 2 advantages of using storyboards?

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32. Where might you find a storyboard?

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33. What scale are the following drawing types drawn to?

(a) Location plan \_\_\_\_\_

(b) Site plan \_\_\_\_\_

(c) Floor plan \_\_\_\_\_

34. What is a Location plan used to show?

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35. What is a Site plan used to show?

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36. What is a Floor plan used to show?

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