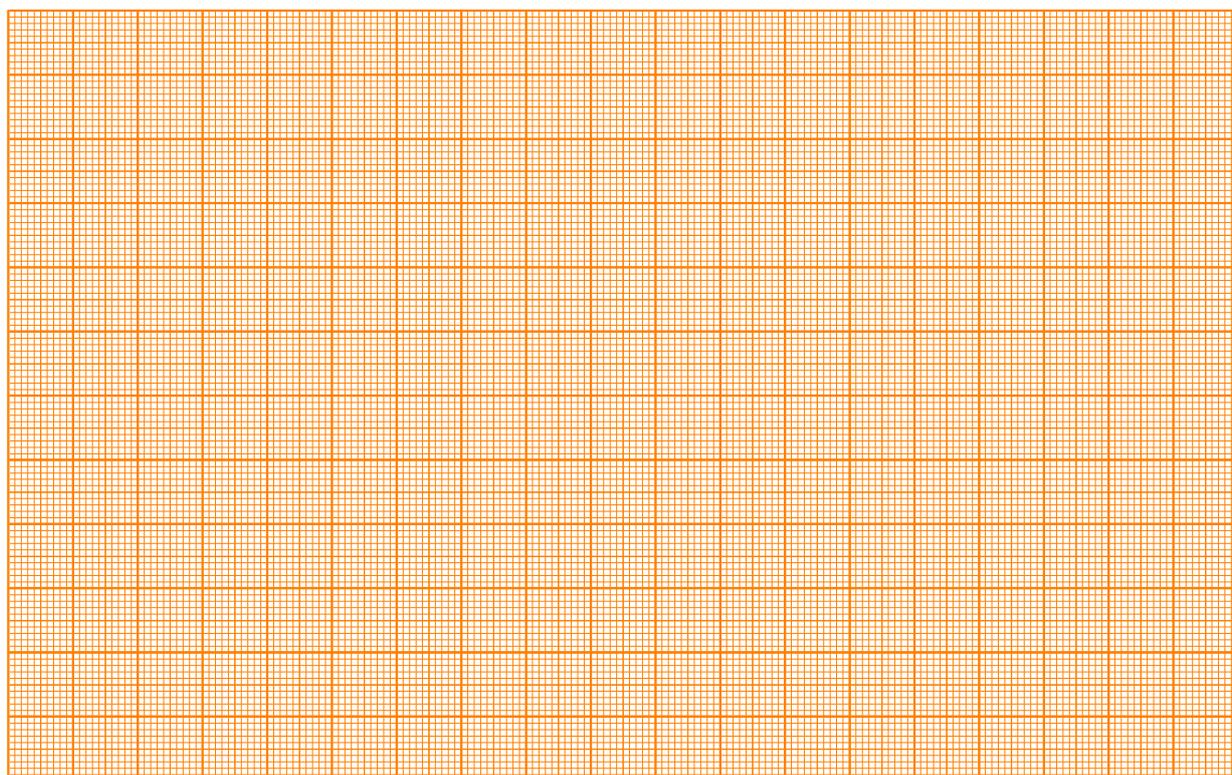




A.3 (1.5 pt)



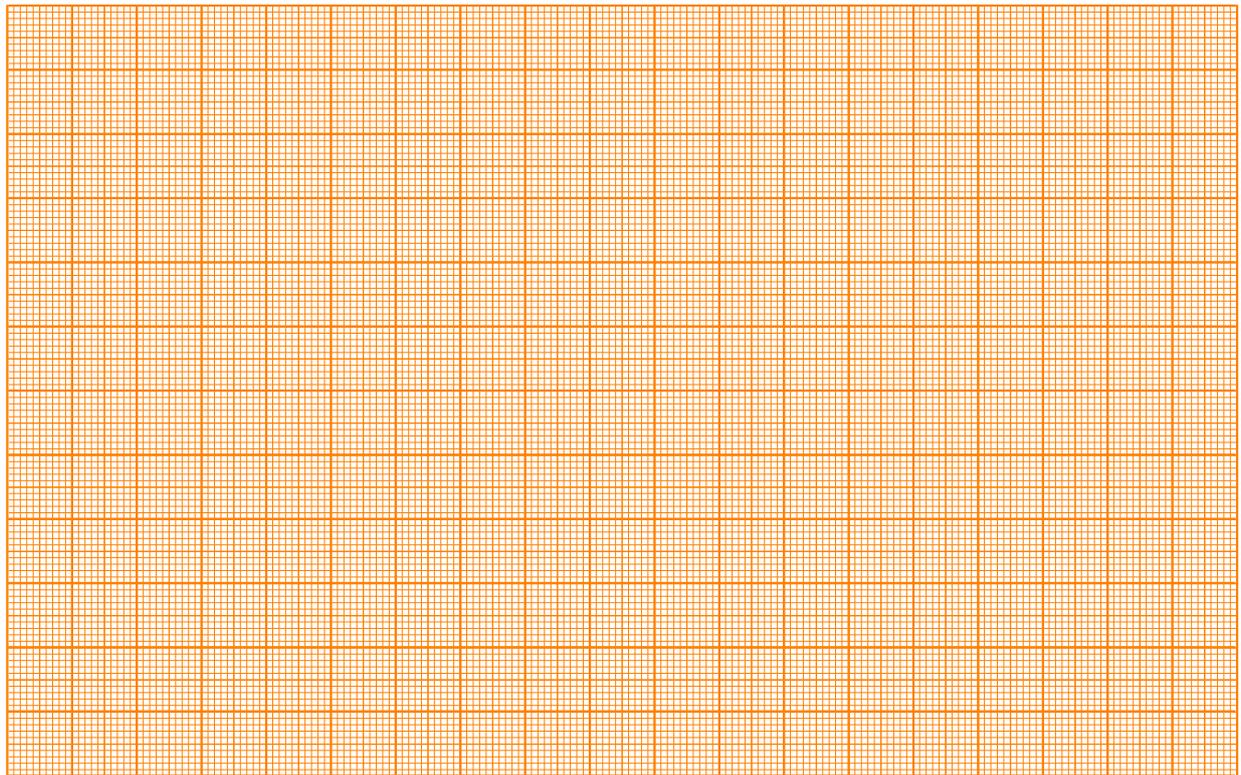
A.4 (0.9 pt)

$n_X =$

$D_X =$



B.3 (1.0 pt)



B.4 (0.2 pt)

$$\theta_1 =$$

$$\Delta\theta_1 =$$

B.5 (0.2 pt)

$$\lambda_X =$$



B.6 (0.6 pt)

$$\Delta n_X =$$

B.7 (0.3 pt)

$$\theta_2 =$$

B.8 (1.0 pt)

$$p_X =$$

$$n_{AAO} =$$

B.9 (0.6 pt)

$$p_1 =$$

$$p_2 =$$

Experiment



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A1-9
English (Official)

C.7 (0.2 pt)

$D_Y =$

C.8 (0.6 pt)

Fill in the third column in C.5 table with the corresponding values t .

Experiment



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A1-10
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Part D. Sample Z. Missed transmittance minimums

D.1

Describe your method with sketches and equations.

**D.1** (1.2 pt)

Write down the normal wavelengths λ_Z and corresponding integers m . You can provide two variants of latter. Only the best one will be assessed.

λ_Z	m , variant 1	m , variant 2

D.2 (2.0 pt)

Fill integers m in the table of D.1 box in accordance with wavelengths λ_Z . You can provide two sets of numbers. Only the best one will be assessed.

D.3 (0.3 pt)

$D_Z =$

D.4 (1.0 pt)

Write down the wavelengths λ'_Z of missed transmittance minimums and corresponding integers m . You can provide two variants in accordance with answers in D.1-2. Only the best one will be assessed.

λ'_Z , variant 1	m' , variant 1	λ'_Z , variant 2	m' , variant 2

Experiment



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A1-12
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Part E. Samples Y and Z. Internal structure of the period

E.1 (1.2 pt)

Name of the sample Y

E.2 (1.3 pt)

Name of the sample Z

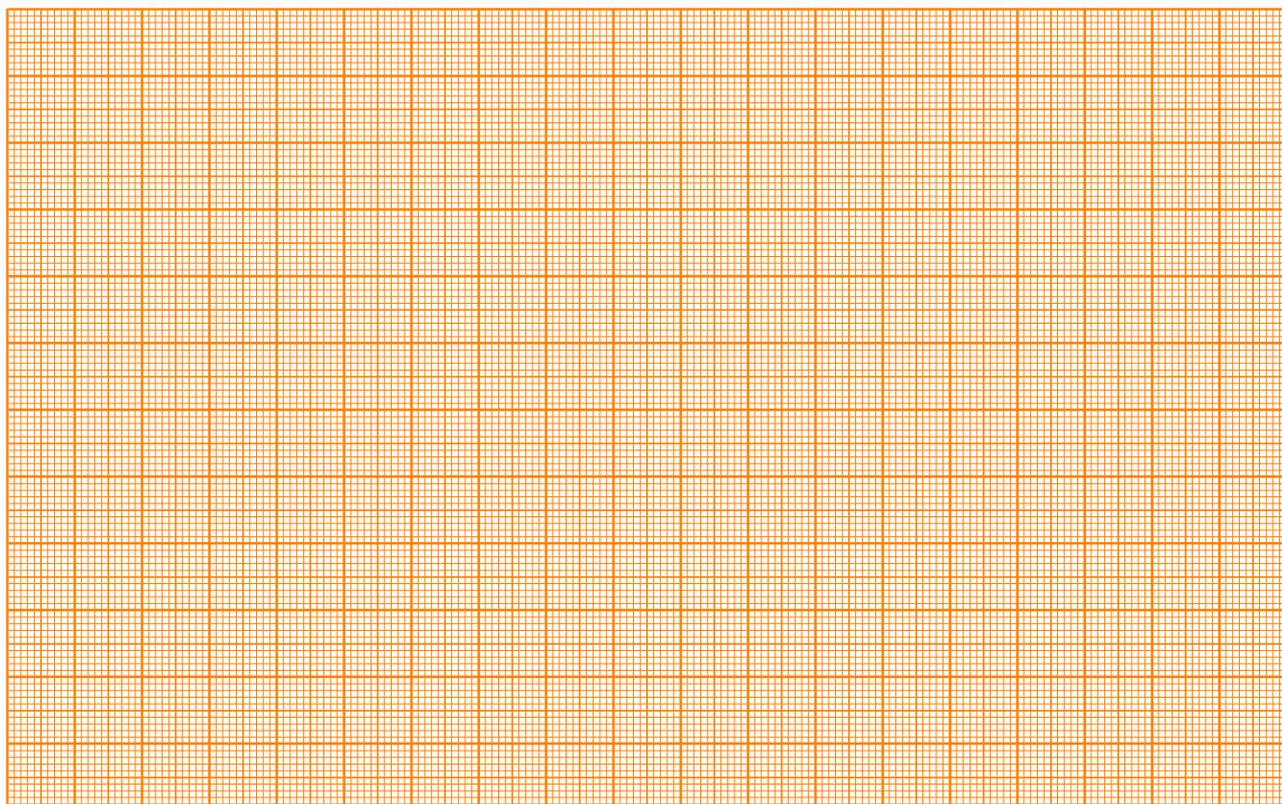
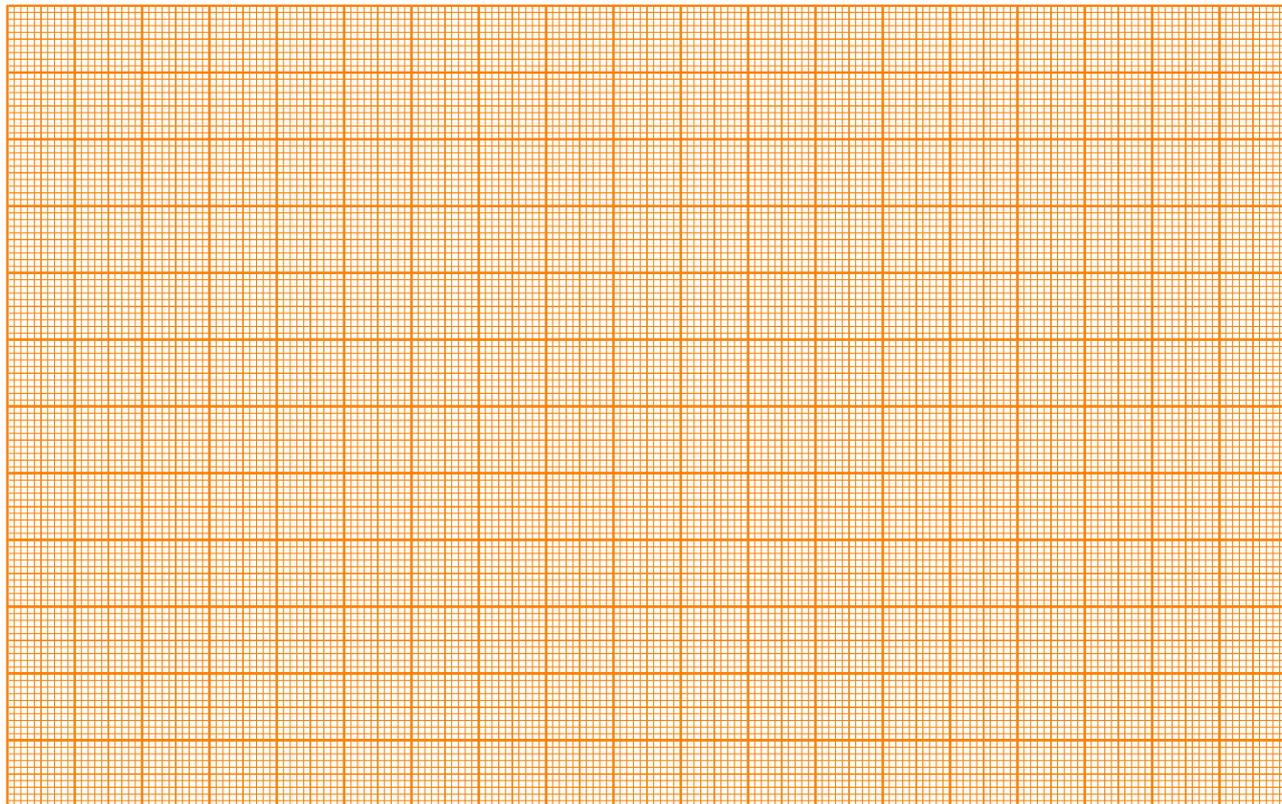
Experiment



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A1-13
English (Official)

Additional graph paper



Experiment

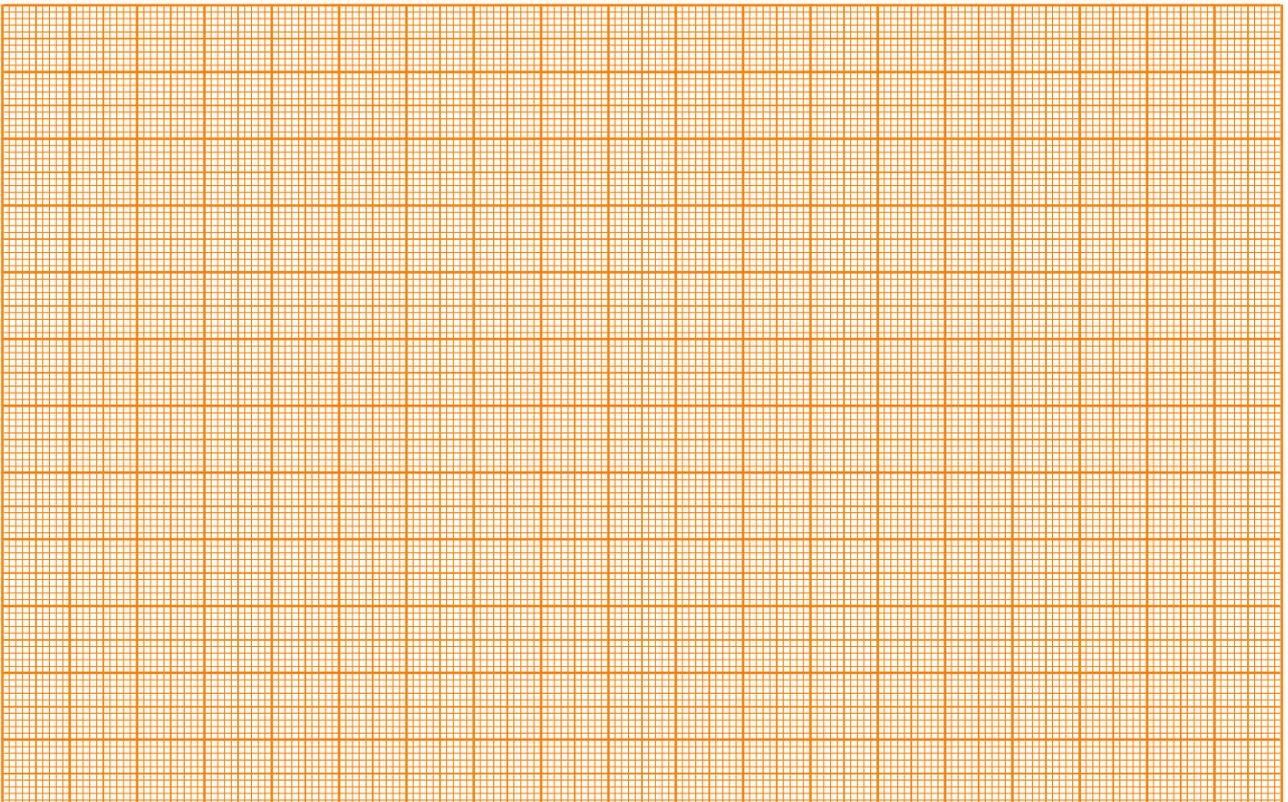
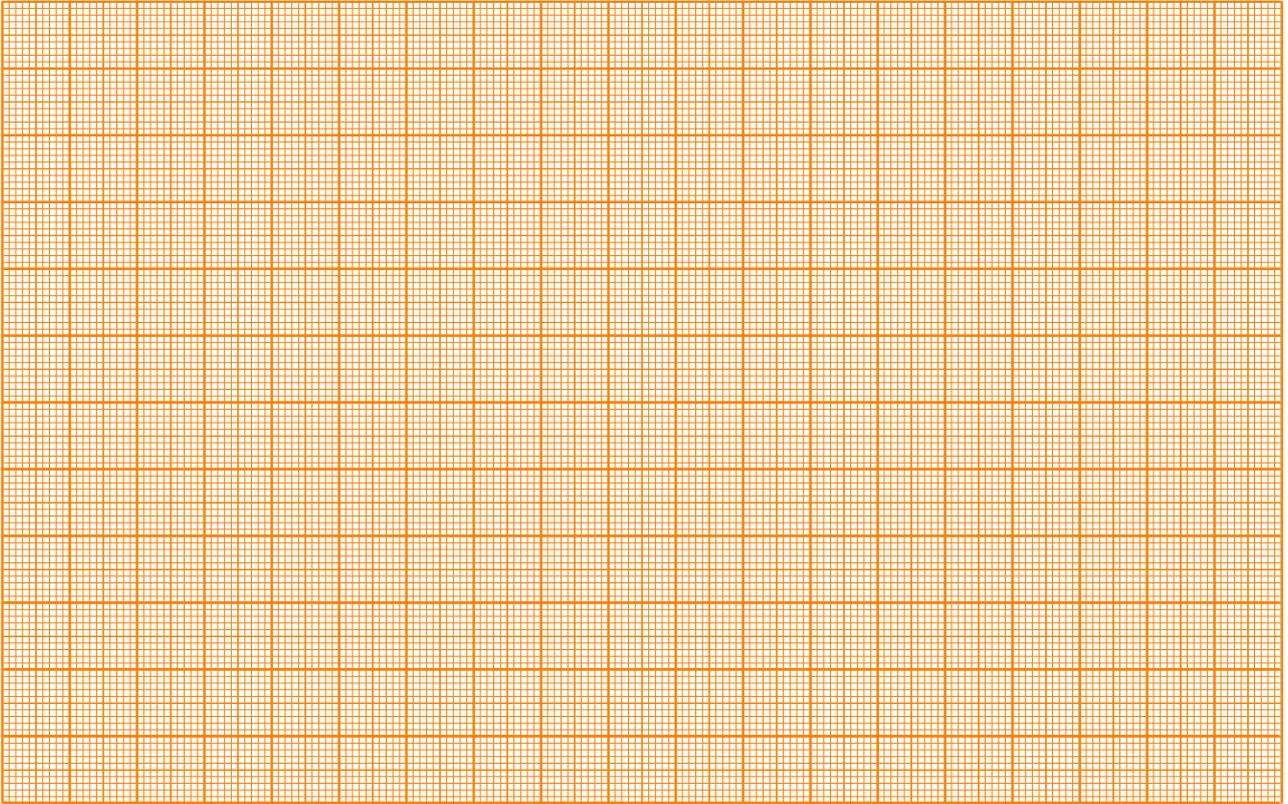


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A1-14

English (Official)

Additional graph paper



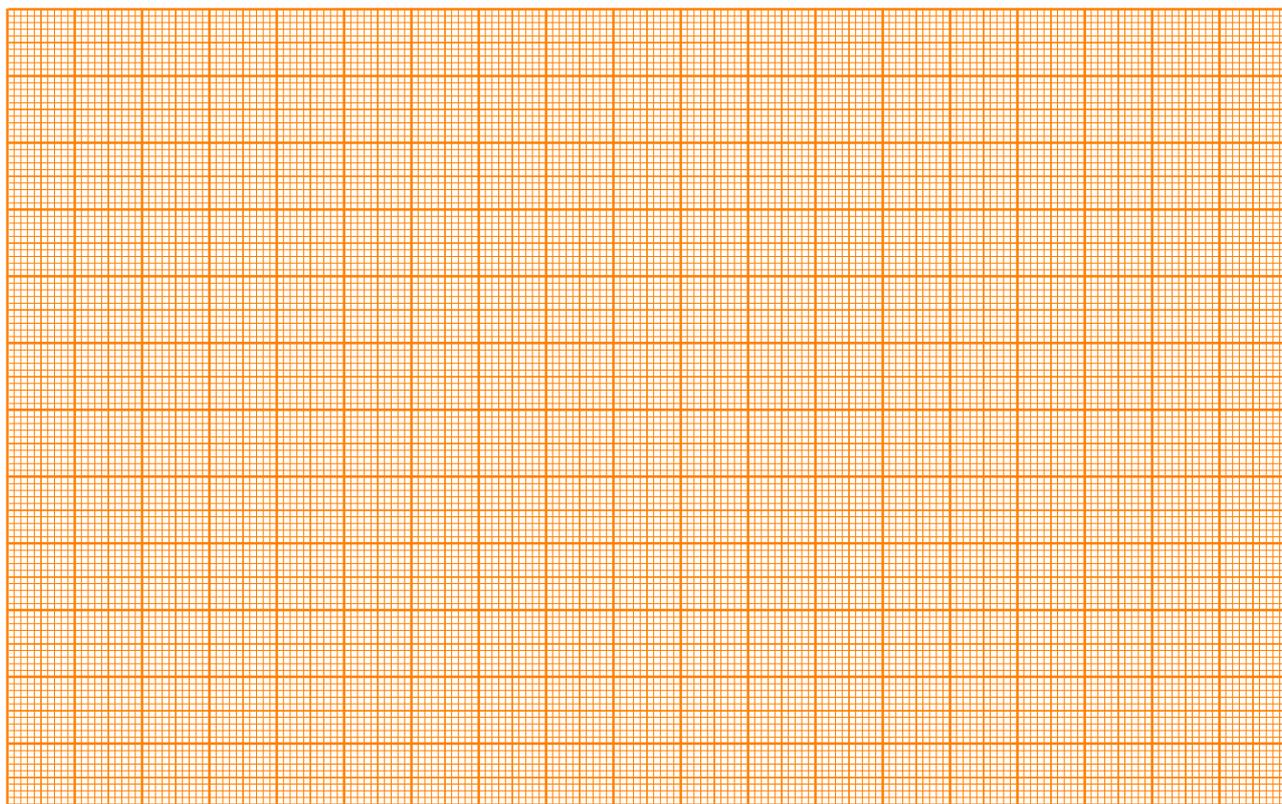
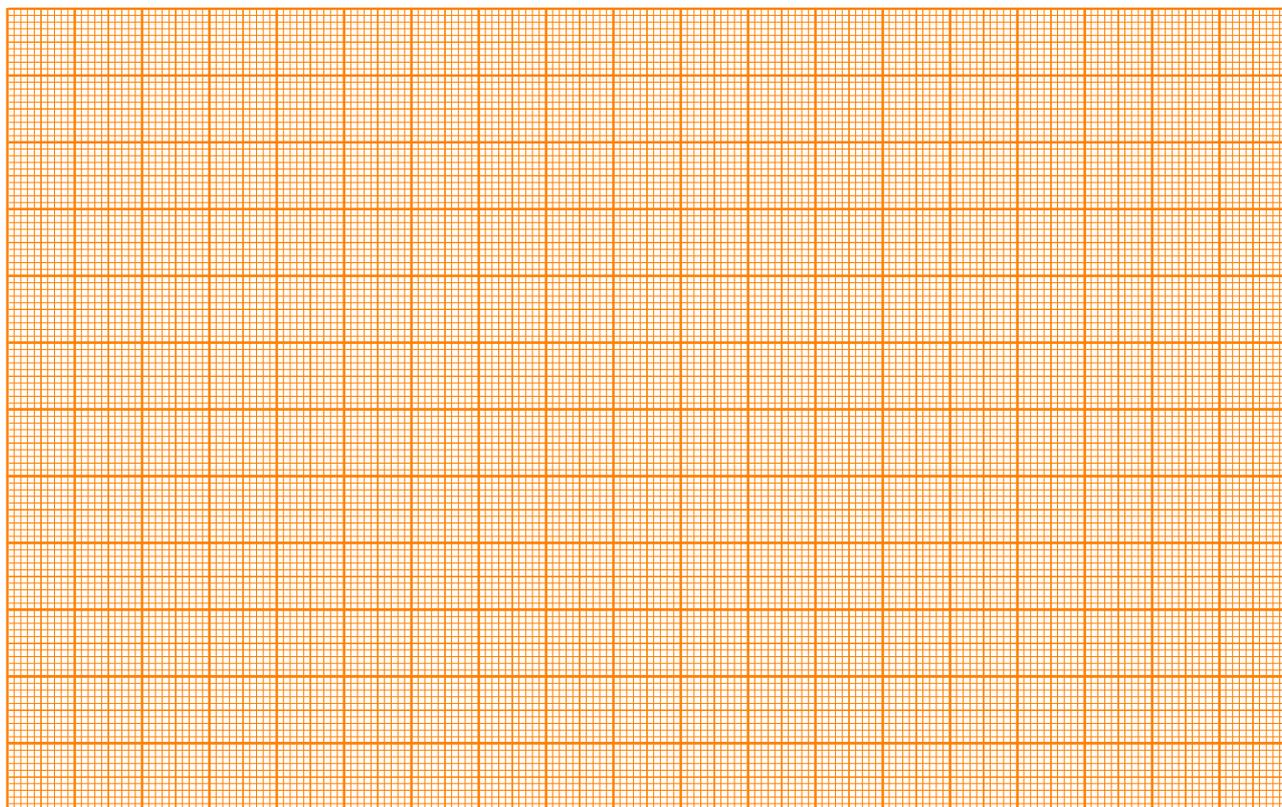
Experiment



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A1-15
English (Official)

Additional graph paper



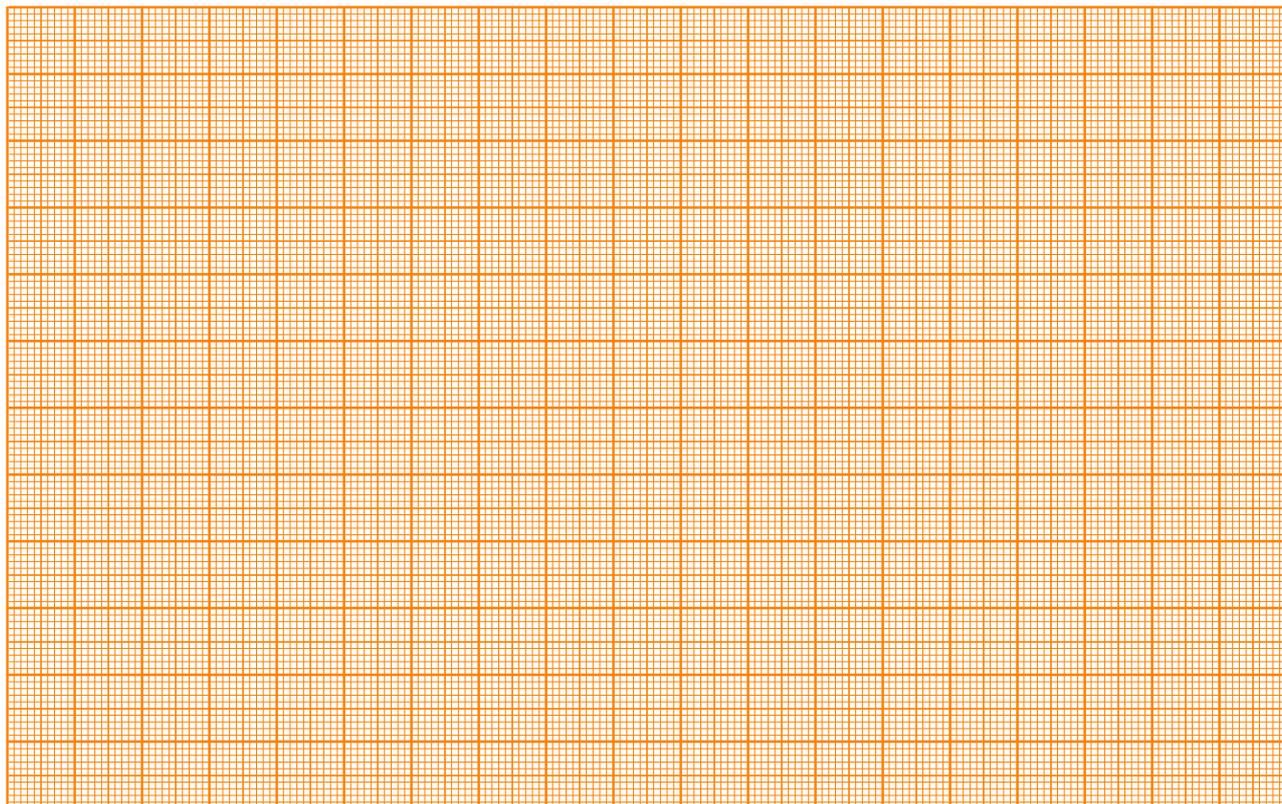
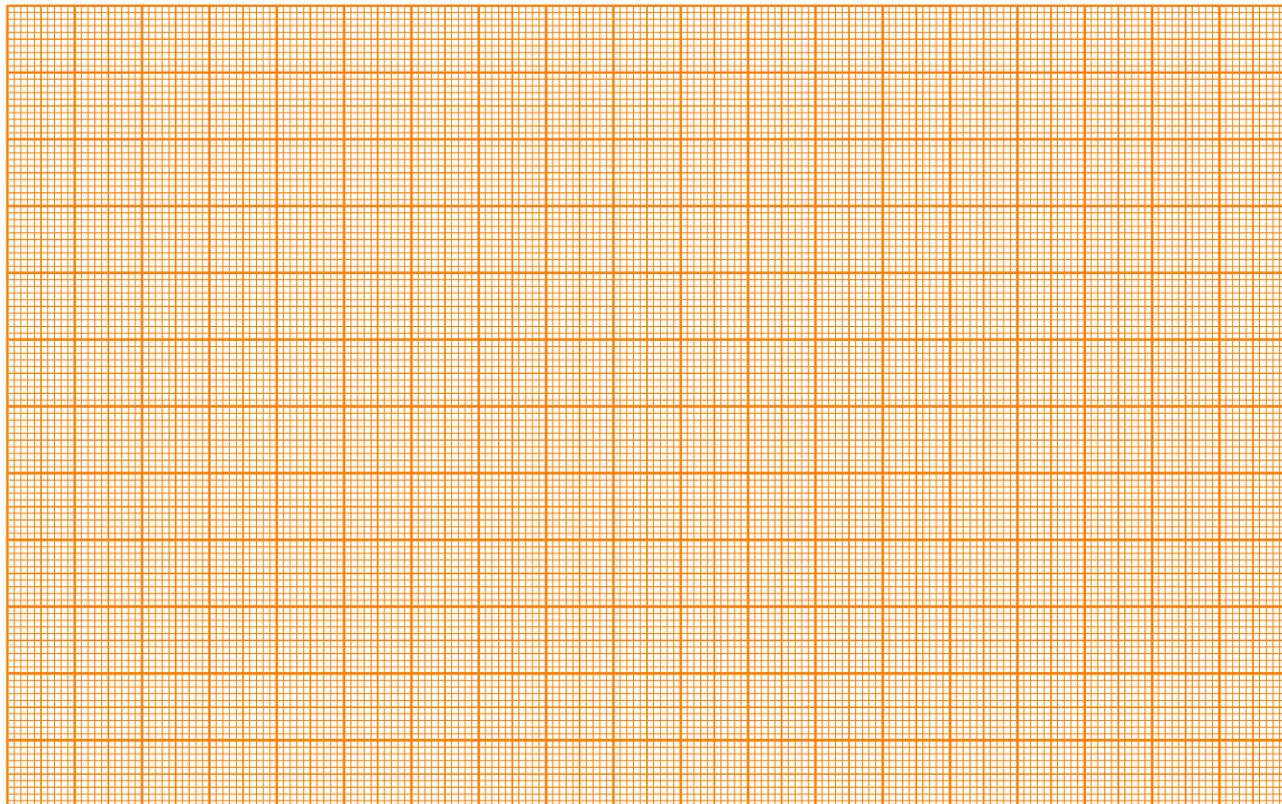
Experiment



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A1-16
English (Official)

Additional graph paper



Experiment



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A1-17
English (Official)

Additional graph paper

