Write your name and class in the boxes below before you start.

Candidate surname	Other names

Class	Teacher	Date

DNEP Education

GCSE Resit · Predicted Paper 1F · November 2026

Time: **90 minutes**

Paper reference

DNEP/EDX1FN26

Mathematics

PREDICTED PAPER 1 — NOVEMBER 2026

Foundation Tier · Pearson Edexcel 1MA1 style

Questions written for DNEP Education in the style of Pearson Edexcel GCSE (9–1) Mathematics (1MA1) papers.

You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser. You must NOT use a calculator. Tracing paper may be used.

Total Marks

/ 80

Topics in this paper

Topic (lesson)	Questions	Marks
Number	1, 2, 3, 16, 18, 21, 27	14
Measures	4	1
Algebra	5, 10, 14, 25, 26, 28	15
Money and ratio	6, 12, 20, 22	16
Graphs	7	3
Statistics	8	5
Geometry and measures	9, 13, 23, 24	10
Probability	11, 19	9
Fractions, decimals and percentages	15, 17	7
		Total 80

Instructions

- Use black ink or ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page with your name, class, teacher and the date.
- Answer all questions in the spaces provided — there may be more space than you need.
- You must show all your working.
- Diagrams are NOT accurately drawn, unless otherwise indicated.
- Calculators must not be used.

Information

- The total mark for this paper is 80.
- The marks for each question are shown in brackets — use this as a guide to how much time to spend on each question.
- When you have finished, mark your answers with your teacher and complete the RAG feedback page at the back.
- This is a predicted paper. No-one can know what will be on the real paper, so revise the whole course, not just these topics.

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

1 Write 0.35 as a percentage.

.....

(1)

(Total for Question 1 is 1 mark)

2 Here is a list of numbers.

15 17 21 25 27

From the list, write down a prime number.

.....

(1)

(Total for Question 2 is 1 mark)

3 Round 6.482 to 1 decimal place.

.....

(1)

(Total for Question 3 is 1 mark)

4 Change 3.2 kg into grams.

..... g

(1)

(Total for Question 4 is 1 mark)

5 Simplify $p + p + p + p$

.....

(1)

(Total for Question 5 is 1 mark)

DO NOT WRITE IN THIS AREA

6 A shop sells pens.

Pack of 4 pens **£2.60**	Single pen **75p**

Mia needs exactly 10 pens.
She wants to pay as little as possible.

Work out the least amount Mia can pay.

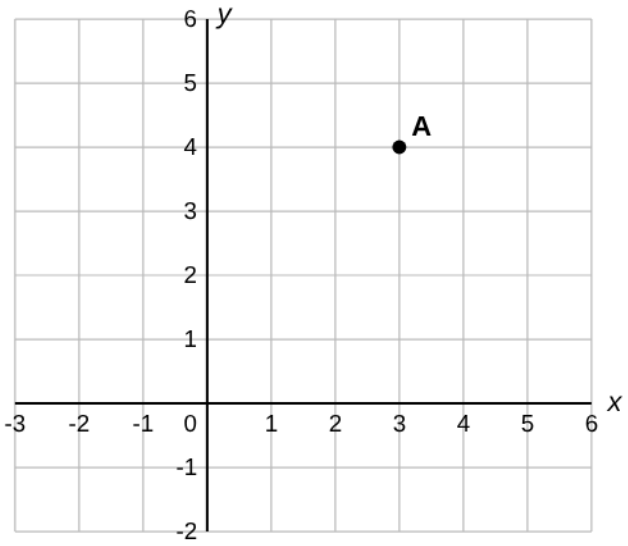
£ .....

(4)

(Total for Question 6 is 4 marks)

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7



(a) Write down the coordinates of point A.

.....

(1)

(b) On the grid, plot the point B with coordinates (−2, 1). Label it B.

(1)

(c) P is the point (2, 5) and Q is the point (6, 1).
Find the coordinates of the midpoint of PQ.

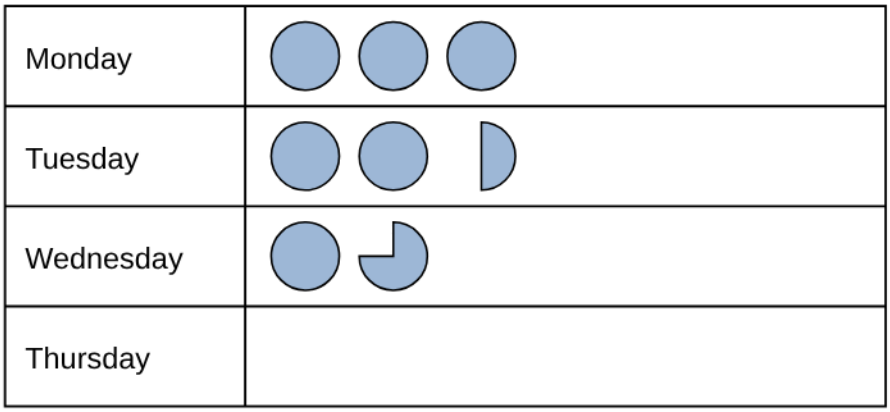
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(1)

(Total for Question 7 is 3 marks)

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8 The pictogram shows the number of cakes a café sold on Monday, Tuesday and Wednesday.



Key: = 8 cakes

(a) How many cakes were sold on Monday?

.....

(1)

(b) How many more cakes were sold on Monday than on Wednesday?

.....

(1)

(c) 18 cakes were sold on Thursday.
Complete the pictogram.

(1)

(d) What fraction of the cakes sold from Monday to Thursday were sold on Tuesday?
Give your answer in its simplest form.

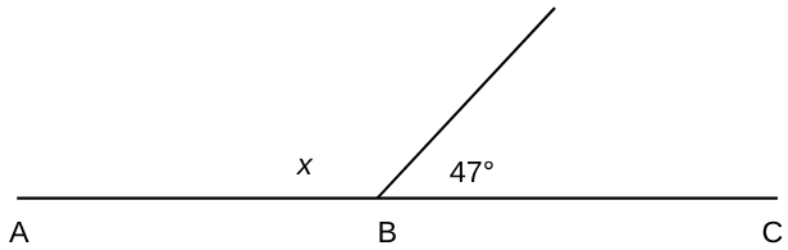
.....

(2)

(Total for Question 8 is 5 marks)

DO NOT WRITE IN THIS AREA

9



ABC is a straight line.

Diagram NOT accurately drawn

(a) Work out the size of angle x.

.....°

(1)

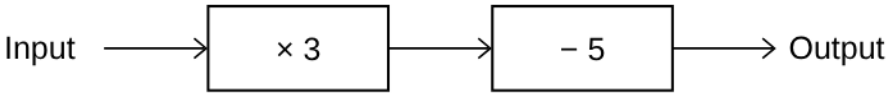
(b) Give a reason for your answer.

.....

(1)

(Total for Question 9 is 2 marks)

10 Here is a function machine.



(a) Work out the output when the input is 6

.....

(1)

(b) Work out the input when the output is 16

.....

(1)

(c) The input is n.
Write an expression, in terms of n, for the output.

.....

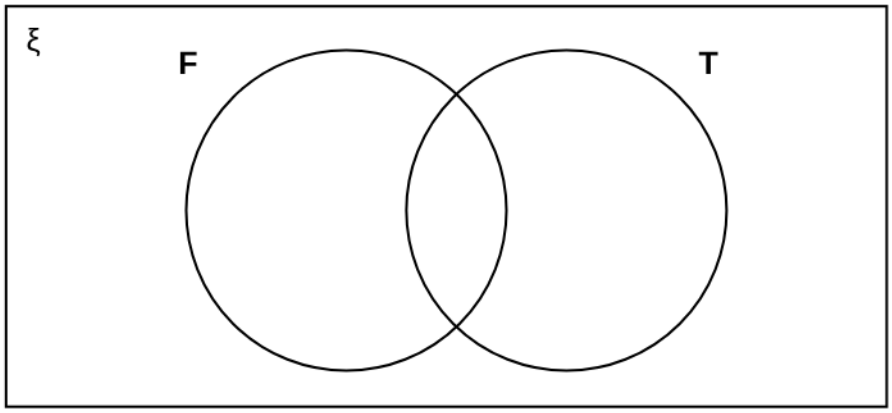
(1)

(Total for Question 10 is 3 marks)

DO NOT WRITE IN THIS AREA

11 There are 40 students in a club.
22 students play football (F).
15 students play tennis (T).
6 students play both football and tennis.

(a) Complete the Venn diagram to show this information.



(2)

(b) One of the 40 students is chosen at random.
Find the probability that the student plays neither football nor tennis.

.....

(1)

(c) Find the probability that a student chosen at random plays exactly one of the two sports.

.....

(1)

(Total for Question 11 is 4 marks)

DO NOT WRITE IN THIS AREA

12 Here are the ingredients needed to make pancakes for 6 people.

Pancakes for 6 people
300 g flour 2 eggs 450 ml milk

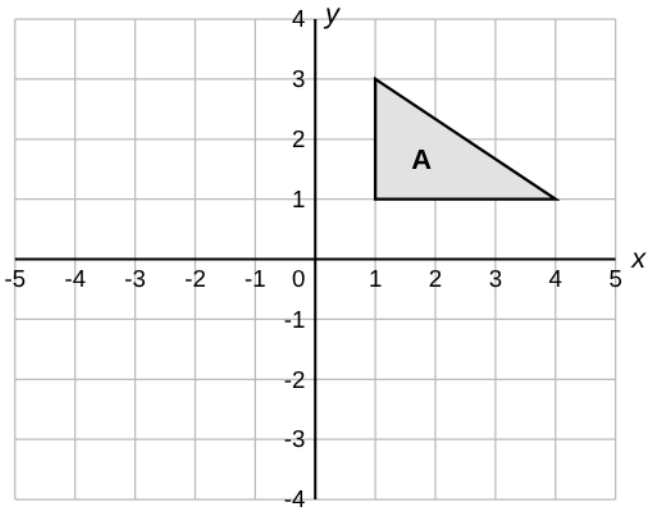
Leo has 800 g of flour, 6 eggs and 1 litre of milk.

Does Leo have enough of each ingredient to make pancakes for 15 people?
You must show your working.

(3)

(Total for Question 12 is 3 marks)

13



Rotate triangle A 180° about the point (0, 0).

(2)

(Total for Question 13 is 2 marks)

DO NOT WRITE IN THIS AREA

14 Ann is x years old.
Ben is 4 years older than Ann.
Cal is twice as old as Ben.

The total of their ages is 52 years.

How old is Ann?

..... years

(4)

(Total for Question 14 is 4 marks)

15 Sam buys 20 boxes of fruit for £4 each.
He sells all 20 boxes for £5.20 each.

Work out Sam's percentage profit.

..... %

(3)

(Total for Question 15 is 3 marks)

DO NOT WRITE IN THIS AREA

16 **(a)** Work out 4.6×2.3

.....

(2)

(b) Work out $12.6 \div 0.3$

.....

(1)

(Total for Question 16 is 3 marks)

17 **(a)** Show that $2\frac{3}{4} + 1\frac{5}{6} = 4\frac{7}{12}$

(2)

(b) Work out $1\frac{1}{2} \times 2\frac{2}{3}$

.....

(2)

(Total for Question 17 is 4 marks)

DO NOT WRITE IN THIS AREA

18 **(a)** Write 60 as a product of its prime factors.

.....

(2)

(b) $84 = 2^2 \times 3 \times 7$

Find the highest common factor (HCF) of 60 and 84.

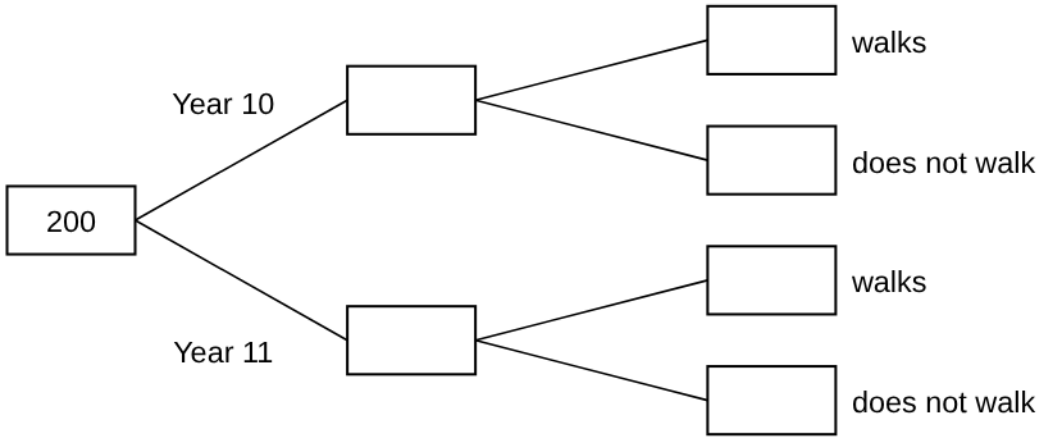
.....

(1)

(Total for Question 18 is 3 marks)

19 There are 200 students in Year 10 and Year 11.
90 of the students are in Year 10.
40 of the Year 10 students walk to school.
$\frac{2}{5}$ of the Year 11 students walk to school.

(a) Use this information to complete the frequency tree.



(3)

(b) One of the students who walk to school is chosen at random.
Work out the probability that this student is in Year 11.

.....

(2)

(Total for Question 19 is 5 marks)

20 There are 200 members in a sports club.
The ratio of junior members to senior members is 3 : 5

$\frac{1}{5}$ of the junior members are in the swimming team.

40% of the senior members are in the swimming team.

What percentage of all the members are in the swimming team?

..... %

(5)

(Total for Question 20 is 5 marks)

21 Lily uses her calculator to work out $\frac{49.6 \times 3.92}{0.51}$

(a) Work out an estimate for the value of this calculation.
You must show all your working.

.....

(2)

(b) Is your answer to (a) an overestimate or an underestimate?
Give a reason for your answer.

.....

(1)

(Total for Question 21 is 3 marks)

DO NOT WRITE IN THIS AREA

22 **(a)** A train travels 150 km in $1\frac{1}{4}$ hours.

Work out the average speed of the train.

.....

km/h

(2)

(b) A second train travels for 2 hours 20 minutes at an average speed of 90 km/h.

Which train travels further, the first train or the second train?

You must show how you get your answer.

(2)

(Total for Question 22 is 4 marks)

DO NOT WRITE IN THIS AREA

23 The diagram shows a regular hexagon and a square.
They share one side.

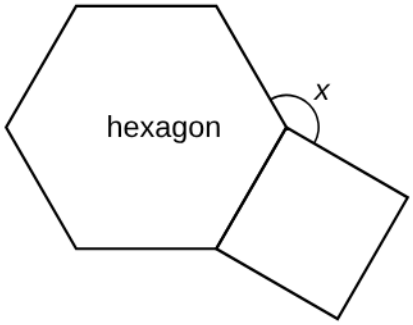


Diagram NOT accurately drawn

(a) Show that each interior angle of a regular hexagon is 120°.

(2)

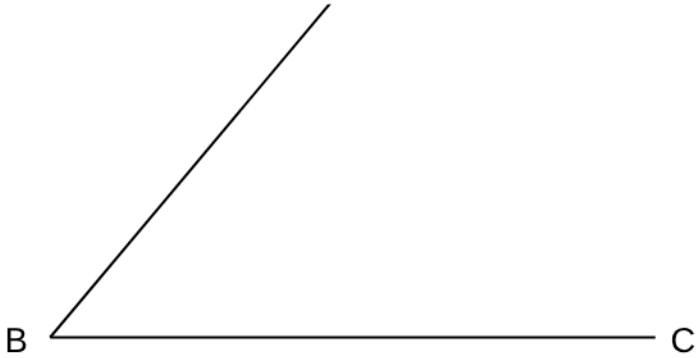
(b) Work out the size of the angle marked *x*.

..... °

(2)

(Total for Question 23 is 4 marks)

24 Use ruler and compasses to construct the bisector of angle ABC.
You must show all your construction lines.



(2)

(Total for Question 24 is 2 marks)

DO NOT WRITE IN THIS AREA

25 Here are the first four terms of an arithmetic sequence.

7 11 15 19

Find an expression, in terms of n, for the nth term of this sequence.

.....

(2)

(Total for Question 25 is 2 marks)

26 **(a)** n is an integer and $-2 < n \leq 3$
Write down all the possible values of n.

.....

(1)

(b) Solve $5x - 3 < 17$

.....

(2)

(Total for Question 26 is 3 marks)

27 **(a)** Write 0.00052 in standard form.

.....

(1)

(b) Work out $(3 \times 10^4) \times (5 \times 10^2)$
Give your answer in standard form.

.....

(1)

(Total for Question 27 is 2 marks)

DO NOT WRITE IN THIS AREA

28 Solve $x^2 - 7x + 12 = 0$

.....

(2)

(Total for Question 28 is 2 marks)

TOTAL FOR PAPER IS 80 MARKS

Now mark your paper and complete the RAG feedback page overleaf.

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Your results and next steps (RAG feedback)

Mark your paper with the mark scheme. Write your mark for each question, then colour one circle: GREEN = full marks · AMBER = some marks · RED = no marks. Use the topic table to decide which lessons to revisit.

Q	Topic (lesson)	Calc?	Marks	My mark	R A G
1	Number	No	1		
2	Number	No	1		
3	Number	No	1		
4	Measures	No	1		
5	Algebra	No	1		
6	Money and ratio	No	4		
7	Graphs	No	3		
8	Statistics	No	5		
9	Geometry and measures	No	2		
10	Algebra	No	3		
11	Probability	No	4		
12	Money and ratio	No	3		
13	Geometry and measures	No	2		
14	Algebra	No	4		
15	Fractions, decimals and percentages	No	3		
16	Number	No	3		
17	Fractions, decimals and percentages	No	4		
18	Number	No	3		
19	Probability	No	5		
20	Money and ratio	No	5		
21	Number	No	3		
22	Money and ratio	No	4		
23	Geometry and measures	No	4		
24	Geometry and measures	No	2		
25	Algebra	No	2		
26	Algebra	No	3		
27	Number	No	2		
28	Algebra	No	2		
			Total 80		= _____ %

Your results and next steps (continued)

By topic

Topic (lesson)	Questions	My marks	R	A	G
Number	1, 2, 3, 16, 18, 21, 27	____ / 14	○	○	○
Measures	4	____ / 1	○	○	○
Algebra	5, 10, 14, 25, 26, 28	____ / 15	○	○	○
Money and ratio	6, 12, 20, 22	____ / 16	○	○	○
Graphs	7	____ / 3	○	○	○
Statistics	8	____ / 5	○	○	○
Geometry and measures	9, 13, 23, 24	____ / 10	○	○	○
Probability	11, 19	____ / 9	○	○	○
Fractions, decimals and percentages	15, 17	____ / 7	○	○	○

What went well (my GREEN topics)

Even better if (my RED / AMBER topics)

Lessons I will revisit (lesson numbers) and how:

Teacher comment

Signed: _____

How likely is each topic on November Paper 1?

Based on the 7 November Edexcel 1MA1 Foundation Paper 1s we analysed (Nov17–Nov24). Chance = how many of those November papers tested the topic. The real paper can test anything on the specification, so use this to decide what to revise first, not what to leave out. The November 2025 paper is not included.

Very likely (75%+) Likely (50%+) Possible (25%+) Unlikely (under 25%)

Topic	Nov papers	Chance	Last Nov	This paper
Money and best-buy problems	7 of 7	100%	Nov24	Q6
Ratio	7 of 7	100%	Nov24	Q20
Simplify, expand, factorise, substitute	7 of 7	100%	Nov24	Q5
Charts and tables (bar, pictogram, pie…)	7 of 7	100%	Nov24	Q8
Coordinates and straight-line graphs	7 of 7	100%	Nov24	Q7
Add and subtract fractions, mixed numbers	6 of 7	86%	Nov24	Q17
Rounding, estimation, error intervals	6 of 7	86%	Nov24	Q3, Q21
Linear equations, function machines	6 of 7	86%	Nov24	Q10, Q14
Angles, parallel lines, polygons	6 of 7	86%	Nov24	Q9, Q23
Written × and ÷ (including decimals)	6 of 7	86%	Nov24	Q16
FDP, place value and ordering	5 of 7	71%	Nov24	Q1
Percentages	5 of 7	71%	Nov23	Q15, Q20
Probability	5 of 7	71%	Nov24	Q11
Units, time, scale drawings, bearings	5 of 7	71%	Nov24	Q4
Negatives, BIDMAS, powers and roots	5 of 7	71%	Nov24	—
Proportion, recipes, inverse proportion	5 of 7	71%	Nov23	Q12
Index laws	5 of 7	71%	Nov23	—
Perimeter, area, volume	4 of 7	57%	Nov24	—
Speed, density, pressure	4 of 7	57%	Nov24	Q22
Averages and range	4 of 7	57%	Nov23	—
Prime factors, HCF and LCM	4 of 7	57%	Nov23	Q18
Transformations	4 of 7	57%	Nov24	Q13
Multiply/divide fractions, fraction of amount	3 of 7	43%	Nov23	Q17
Measuring, shapes, nets, plans	3 of 7	43%	Nov24	—
Factors, multiples, primes, squares, cubes	3 of 7	43%	Nov24	Q2
Quadratics	3 of 7	43%	Nov24	Q28
Sequences and nth term	3 of 7	43%	Nov24	Q25
Simultaneous equations	3 of 7	43%	Nov24	—
Inequalities ★	2 of 7	29%	Nov22	Q26
Circles and π ★	2 of 7	29%	Nov18	—
Frequency trees and tree diagrams ★	2 of 7	29%	Nov19	Q19
Similarity & congruence ★	2 of 7	29%	Nov19	—
Constructions and loci	2 of 7	29%	Nov23	Q24
Standard form ★	1 of 7	14%	Nov17	Q27
Venn diagrams ★	1 of 7	14%	Nov21	Q11
Reverse percentages	1 of 7	14%	Nov17	—
Compound interest and depreciation	1 of 7	14%	Nov21	—
Vectors	0 of 7	0%	—	—
Pythagoras and trigonometry	0 of 7	0%	—	—
Scatter graphs	0 of 7	0%	—	—

★ = not on recent November papers, so it may be due. — in the last column = not in this paper: revise it separately.