



Year 7 Curriculum Evening

Maths at Seaford Head

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Maths Results

Old GCSE	New GCSE	New GCSE Tier	
	9	HIGHER	
A*	8		
A	7		
B	6		
B/C	5		FOUNDATION
C	4		
D	3		
E	2		
F/G	1		
	-1		
	-2		

- **GCSE**

84% 9-4 GCSE (2022)

79% 9-4 GCSE (2023)

- **A Level**

90% A* - C (2022)

87.5% A* - C (2023)

How will your child be assessed?

Two 50 minute assessments per year

At least one exit ticket/DIT per term

Autumn Assessment **A**

Year 7

Mathematics

Core: Calculator allowed
Time allowed: 45 minutes

First name				
Middle name				
Last name				
Date of birth	Day	Month	Year	
Teacher				

11 Use your calculator to solve these equations.

$13.25 = a - 4.9$ $a =$ 1 mark

$38 = \frac{b}{40}$ $b =$ 1 mark

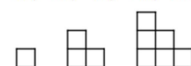



$25.6 + c = 145$ $c =$ 1 mark

12 Write T or F next to each statement to show whether they are true or false.

$x + 2x = 3x$	<input type="checkbox"/>
$a + a + a = a^3$	<input type="checkbox"/>

These assessments have been designed by White Rose. For more information, please visit www.whiterosemaths.com

Questions	Topic	Score	Spark Code
1a	Ordering negative numbers	1 / 1	M527
1b	Calculating the median	1 / 1	M334
2a	Interpreting frequency tables and two-way tables	1 / 1	M899
2b	Interpreting frequency tables and two-way tables	1 / 1	M899
3	Finding the area of compound shapes containing triangles	0 / 2	M396
4a	Converting between mixed numbers and improper fractions	1 / 1	M601
4b	Converting between mixed numbers and improper fractions	1 / 1	M601
5	Convert and add fractions & decimals, Add & subtract with negative numbers	2 / 2	M358, M429, M106
6i	Solving equations with one step	1 / 1	M707
6ii	Solving equations with one step	0 / 1	M707
6iii	Solving equations with two or more steps	0 / 2	M509
7	Finding the area and perimeter of rectangles and simple shapes	2 / 2	M635, M390
8	Financial terminology and calculations	2 / 2	M901
9	Finding percentages of amounts with a calculator, Using a calculator	1 / 2	M905, M757
10	Calculating the mean	2 / 2	M340
11	Adding and subtracting with negative numbers	2 / 2	M106
12	Adding and subtracting fractions	3 / 3	M835
13a	Operations with negative numbers, Function machines with numbers	1 / 3	M106, M288, M175
13b	Operations with negative numbers, Solving equations with two or more steps	0 / 1	M106, M509
14	Constructing and solving equations	2 / 2	M357
15a	Term-to-term rules for numerical sequences, Multiply & divide negative numbers	0 / 1	M381, M288
15b	Term-to-term rules for numerical sequences	0 / 1	M381
16	Using the correct order of operations	0 / 1	M521
17	Finding the area of parallelograms	2 / 2	M291
18	Calculating the range, Adding and subtracting mixed numbers	0 / 2	M328, M931
Total		# / 40	

End of Unit Exit Task	DIT
Find the next two terms in each of the linear sequences. 51, 47, 43, _____, _____ 1500, 2600, 3700, _____, _____ 7.25, 7.45, 7.65, _____, _____	Find the next two terms in each of the linear sequences. 51, 57, 63, _____, _____ 8900, 7700, 6500, _____, _____ 6.32, 6.52, 6.72, _____, _____
Tick the sequence that is linear. 1, 4, 16, 64, 256 <input type="checkbox"/> 8.3, 6.3, 4.3, 2.3, 0.3 <input type="checkbox"/>  <input type="checkbox"/>	Tick the sequence that is linear.  <input type="checkbox"/> 5, 25, 625, 3125 <input type="checkbox"/> 7.9, 7.5, 7.1, 6.7 <input type="checkbox"/>
This pattern repeats every three terms as shown.  What will be the 9 th term in the pattern? _____	This pattern repeats every three terms as shown.  What will be the 10 th term in the pattern? _____
What will be the 31 st term in the pattern? _____	What will be the 62 nd term in the pattern? _____
These numbers make up two linear sequences. 1 3 4 5 7 7 10 13 What are the two linear sequences? 1 st _____, _____, _____ 2 nd _____, _____, _____	These numbers make up two linear sequences. 4 6 6 8 10 10 14 18 What are the two linear sequences? 1 st _____, _____, _____ 2 nd _____, _____, _____

Sparx Maths

Key takeaways:

- Sparx homework is set every Friday at 4pm and due the following Friday at 3pm;
- Students are expected to reach 100% each week (taking approximately 50 minutes);
- Students are welcome to attend Sparx club on Tuesday, Wednesday and Thursday lunchtimes in Room P for extra support;
- Opportunities for additional work using “Target” and “XP Boost;”
- No Sparx homework is set during assessment periods.

Some parent testimonials:

‘My daughter’s interest in maths has changed from being a negative experience to enjoying the subject and that is a result of Sparks and the teaching. Thank you!’

I really like the Sparx system and so does my daughter

‘Sparx has been really great for helping my child learn independently’

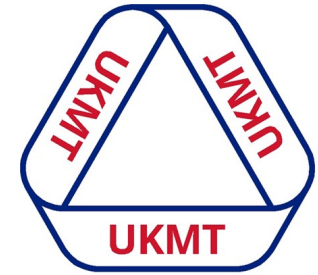
‘We find the videos very helpful in Sparx when there is a tricky question.’

‘I had my reservations about sparx at the beginning the year but it's worked really well and my child just gets on with it, he knows who to speak to if he needs help and I'm sorry to say...that isn't me!’

Extra-curricular Maths at Seaford Head



Sparx
LUNCHTIME CLUB



**United Kingdom
Mathematics Trust**

How You Can Help...

Help children to master the basics:

- Times Tables up to 12 x 12
- Encourage students to commit to 50 minutes independent study per week
- Be positive about maths: it is a skill we need to practise; nobody is born “good” or “bad” at it

Involve your children in day to day mathematics like:

- Dealing with Money
- Measuring
- Estimating
- Distance and Time

Ensure Independent Study is completed

Students bring the necessary equipment to every lesson

Equipment:
30cm Ruler
Scientific Calculator
Protractor
Compass



Questions