

Sunday, 17 September 2023

## Sparx Maths



Learning intent: Understand how to use Sparx Maths.

### Success criteria:

- To be able to logon to Sparx Maths.
- To be able to complete homework on Sparx Maths.
- To be able to complete remote learning/independent revision on Sparx Maths.

# What is Sparx Maths?



Sparx Maths is an online platform which you all have access too. It is used for homework, remote learning tasks and independent learning/revision.

Homework and independent learning is personalised to you

- Sparx Maths keeps learning from your attempts to create challenging yet achievable problems each week
- Because homework is made specifically for you, you will be able to answer every question correctly, but:

Some questions will take slightly longer than others

Some questions will probably need more than one try to get right

Introduce It

# How to log on to Sparx Maths



Website for Sparx Maths: <https://sparxmaths.com/>

1) Sparx Maths

Home Teachers & Leaders Sparx Curriculum **New** News & Updates Register Interest **Log in**

**Now Live!**  
**FREE - Sparx Maths Curriculum**  
An intelligently sequenced 5-year curriculum for Y7 to Y11  
Find out more

**Personalised maths homework, proven to boost student grades**

- ✓ 1 hour of Sparx Maths a week significantly improves student grades.
- ✓ Can save up to 200 hours of teacher time per year.
- ✓ Covers ages 11-16 for UK and international mathematics curricula.
- ✓ Provides actionable insights for school leaders and teachers.
- ✓ The evidence-based system that maths departments love.

Register now ▶ Sparx Maths in two minutes

2) Sparx Maths  
Student Login

Select your school

Start typing the name of your school to begin searching.

the bromfords

**The Bromfords School and Sixth Form College**  
Grange Avenue, Wickford, SS12 0LZ

Wickford

3) Sparx Maths  
Student Login

You're logging in to Sparx at **The Bromfords School and Sixth Form College**.

[Not your school?](#)

Log in to Sparx using Microsoft

- 1) Click log in at the top right hand corner.
- 2) Select your school (start typing)
- 3) Sign in using your school email and password.

# Introduce It



## Sparx Maths



Compulsory

Compulsory - this is where your homework will appear each Wednesday. It will go live at 15:00 every Wednesday.



XP Boost

XP Boost - Each time you complete a homework you earn points. You can boost your points by completing this. We will be rewarding those with the most points each half term!



Target

Target - this is target homework (not compulsory) where you can challenge yourself with six questions based on previous work set!



Independent Learning

Independent learning - this is where you will go for remote learning or independent revision.

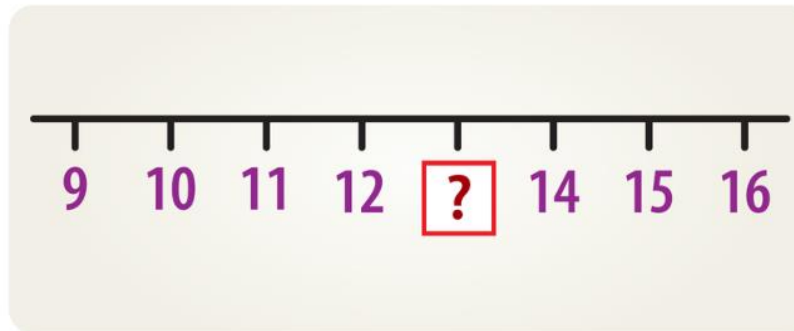
## Introduce It

# Compulsory homework



You need to write the bookwork code in your margins. This is needed for the bookwork checks.

Write down the number that should go in the box on this number line.



Video support - if you are struggling with the question, use this. The video's are short and concise.

Bookwork code: 2A



This tells you if you are allowed to use a calculator or not.

Zoom

Watch video

Answer

Click here to enter your answer.

# Introduce It

# Independent learning and remote learning



<u>Homework</u>		<u>Thursday 7<sup>th</sup> June 2017</u>	
<u>Task 1</u>		<u>Task 2</u>	
D40	$12 + 13 = \underline{25}$ ✓	E41	$P(\text{yellow}) = \frac{3}{6}$ ✗
E50	$4 \times 3 + 2 \times 5 =$ $12 + 10 = \underline{22}$ ✓	F51	$P(\text{black}) = \frac{4}{8}$ $= \frac{1}{2}$ ✓
F60	$(12 : 18) \div 6$ $(2 : 3)$ ✓	<u>Task 3</u>	
H70	$\frac{1}{14} + \frac{1}{7} = \frac{1}{21}$ ✗	G61	All the marbles are green. The probability of choosing a purple marble is <u>impossible</u> ✓
J90	$\frac{1}{8} + \frac{1}{4} = \frac{1}{8} + \frac{2}{8}$ $= \frac{3}{8}$ ✓	H71	$P(\text{odd}) = \frac{3}{5}$ ✓
A01	$\begin{array}{r} +493 \\ 162 \\ \hline 655 \end{array}$ ✓	<u>Task 3</u>	
B11	Area = $3 \times 14$ $\times 14$ $\frac{42}{1}$ ✓	J22	Fuena ✓
C21	$\frac{1}{33} + \frac{1}{11} = \frac{1}{33} + \frac{3}{33}$ $= \frac{4}{33}$ ✓	K32	Unlikely ✗
D31	$3^2 = 3 \times 3$ $= \underline{9}$ ✓	L42	B, A, C ✓
		C03	4 <u>none</u> blue balls ✓
		D13	4 black, 2 red, 2 blue The probability of picking black is <u>evens</u> : Bag <u>E</u> ✓
		E23	<u>B</u> ✓

Your book needs to have the following when completing independent work or remote learning:

- Margins
- Date and title (Sparx Homework)
- CW written in the top corner
- Working out and answer written out clearly.
- Mathematical equipment used where appropriate (ruler, compass, protractor).
- Marked in **red** pen.

Introduce It

# Bookwork checks



Bookwork check

What is the correct answer for this question?

Bookwork 2B

8 litres

Zoom

B

Zoom

80 litres

Zoom

17 litres

Zoom

E

Zoom

C

Zoom

I didn't write this down

Submit >

Every now and then, Sparx will complete a bookwork check. It will ask you for the answer to a specific bookwork code. You need to look through your work and identify the correct answer.

Your teacher can see if you got it correct/incorrect.



Introduce It

# Independent learning

To complete remote learning or independent work, you need to click on independent learning. You can search using the given code or entering a topic name.



This is where you enter the Sparx code or the topic name.

## Independent Learning

**Find topics** | My activity

Search for topics:

Your curriculum:

Default level:

Select a topic:

<b>Number</b> 	<b>Algebra</b> 
<b>Ratio and Proportion</b> 	<b>Geometry</b> 
<b>Probability</b> 	<b>Statistics</b> 

Your teacher decides what level you are. If you struggling or finding it to easy, let your class teacher know and we can change it.



## Introduce It

# Independent learning



Using a written method to multiply integers - M187

Level 2



▼ Show building blocks

Using a full written method to multiply



Introduce

Question 1

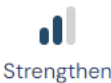
Answer

Question 2

Answer

Question 3

Answer



Strengthen

Question 1

Answer

Question 2

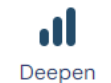
Answer

Question 3

Answer

Question 4

Answer



Deepen

Question 1

Answer

Question 2

Answer

Question 3

Answer

You need to aim to complete the introduce, strengthen and deepen questions.

- **Introduce:** basics skills for this topic at this level
- **Strengthen:** questions to consolidate understanding
- **Deepen:** more problem-solving type questions to challenge

If you are finding the questions too easy or too tricky, they can change the level of each individual topic\*.

This won't affect the overall level of questions in all other topic areas so they can tailor what they see to their strengths and weaknesses.

\*Some topics won't have higher or lower levels depending on the subject chosen.

# Introduce It

# Independent learning



Homework Thursday 1<sup>st</sup> June 2017

Task 1

D40  $12 + 13 = \underline{25}$  ✓

E50  $4 \times 3 + 2 \times 5 =$   
 $12 + 10 = \underline{22}$  ✓

F60  $\left( \begin{array}{l} 12 : 18 \\ \div 6 \\ \hline 2 : 3 \end{array} \right) \div 6$  ✓

H70  $\frac{1}{14} + \frac{1}{7} = \frac{1}{21}$  ✗

J90  $\frac{1}{8} + \frac{1}{4} = \frac{1}{8} + \frac{2}{8}$   
 $= \frac{3}{8}$  ✓

A01  $\begin{array}{r} + 493 \\ 162 \\ \hline 655 \end{array}$  ✓

B11 Area =  $3 \times 14$   
 $\times 14$   
 $\frac{42}{1}$  Area =  $42 \text{ cm}^2$  ✓

C21  $\frac{1}{33} + \frac{1}{11} = \frac{1}{33} + \frac{3}{33}$   
 $= \frac{4}{33}$  ✓

D31  $3^2 = 3 \times 3$   
 $= \underline{9}$  ✓

Task 2

E41  $P(\text{yellow}) = \frac{3}{6}$  ✗

F51  $P(\text{black}) = \frac{4}{8}$   
 $= \frac{1}{2}$  ✓

Task 2

G61 All the marbles are green.  
The probability of choosing a purple marble is impossible ✓

H71  $P(\text{odd}) = \frac{3}{5}$  ✓

Task 3

J22 Fuero ✓

K32 Unlikely ✗

L42 B, A, C ✓

C03 4 none blue balls ✓

D13 4 black, 2 red, 2 blue  
The probability of picking black is evens: Bag K ✓

E23 B ✓

Your book needs to have the following when completing homework and remote learning:

- Margins
- Date and title (the name of the topic)
- CW written in the top corner
- Working out and answer written out clearly.
- Mathematical equipment used where appropriate (ruler, compass, protractor).
- Marked in **red** pen.