## babcock



SCIENCE \| TECHNOLOGY \| ENGINEERING \| MATHS

## Activity Book



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## Introduction

This booklet has been produced by Babcock International at Devonport to provide fun, marine inspired activities, which will take readers on an exciting and educational journey through the Devonport Royal Dockyard, inspiring them through STEM based learning.
If you would like to submit any of your drawings or give us feedback, please send them to: Babcock.STEM.Events@babcockinternational.com

To find more information on our Babcock STEM team and some further activities we have on offer for you to complete at home, please follow the below link.
www.babcockinternational.com/who-we-are/babcock-and-stem/


SCIENCE | TECHNOLOGY | ENGINEERING | MATHS

## Porty and friends dot to dot



## Porty and friends dot to dot



Illustrations by April Howard

## Porty and friends drawing

Colour in the diver

lustration by April Howard

.

Colour in the fork lift


Colour in the Engineer


Colour in the lift



Colour in the Engineer
Colour in the Riggers


Colour in the Engineer


Colour in the Engineer


## Colour in the dragon

Can you colour your dragon to look like the one on HMS Dragon?


## Maze game: Home safe

After a long day in the Dockyard can you find your way safely home?


## Maze game: Happy Gavin

'Happy Gavin' is very hungry, can you help him find his way through the Dockyard maze to his dinner before the seagulls get it?


## Maze game: Help the tug to the basin

Can you help our tug, SD Faithful, through the maze and back to her berth in 4 basin?


## Maze game: Captain Fathom to submarine

Captain Fathom has lost his submarine, can you find a path through the maze to get him back on board?


## Maze game: Drake Main Gate to Frigate Support Centre

I am new to the Dockyard and need your help. Can you guide me from HMS Drake Main Gate through the Dockyard maze to the Frigate Support Centre (FSC) please?


## Maze game: HMS Bulwark to 16 Wharf

HMS Bulwark has been on a long deployment and needs to find her berth in Devonport. Can you guide her through the maze and up the river to her berth on 16 Wharf?


## Maze game: Morice Gate to Portland

Can you find a way through the maze from HMNB Devonport Morice Gate to HMS Portland?


## Maze game: Electric van

Can you solve the maze below to identify which new Babcock Electric van will reach the charging point first?


## Maze game: Albert Gate to Courageous

Can you find a way through the maze from HMNB Devonport Albert Gate to Submarine Courageous?


## Wordsearch: Porty



| S | b | h | h | C | a | $f$ | t | $f$ | m | W | i | m | y | 1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S | p | r | p | u | i | z | h | q | e | q | y | z | S | e |
| p | u | i | e | t | r | 0 | $p$ | n | 0 | v | e | d | c | n |
| k | 0 | b | h | a | e | m | i | 1 | y | j | n | Z | i | n |
| i | Z | r | m | s | k | c | m | i | q | i | s | p | e | u |
| n | X | j | t | a | d | w | q | m | s | b | 0 | z | n | $f$ |
| S | u | d | $f$ | y | $r$ | n | a | n | a | e | C | 0 | C | p |
| V | i | r | C | u | g | i | e | t | V | e | X | X | e | d |
| C | b | r | r | X | 0 | q | n | i | e | s | i | u | 0 | m |
| e | C | n | e | r | $r$ | e | t | e | r | r | m | C | 0 | h |
| e | n | g | i | n | e | e | r | t | t | $f$ | k | t | C | u |
| i | e | r | b | 1 | d | d | Z | X | e | y | 0 | a | p | 1 |
| S | h | i | p | t | a | t | u | g | a | r | n | j | v | 1 |
| q | y | p | v | t | n | k | g | r | g | C | q | v | w | i |
| Z | v | Z | V | $f$ | i | n | d | r | n | u | y | h | m | C |

Breakwater Engineer Motor

Ship
Devonport
Friendships
Ocean
Submarine
Dockyard
Funnel
Porty
Terrence
Emily
Hull
Science

## Wordsearch: Devonport Dockyard

| Y | R | E | I | E | S | U | B | M | A | R | I | N | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| G | 1 | B | R | N | T | E | T | A | U | D | A | R | G |
| Y | E | 0 | E | A | T | T | G | S | M | R | C | R | R |
| T | R | T | L | R | R | Y | T | T | E | J | S | F | D |
| E | U | A | A | C | R | 0 | A | 0 | T | E | E | E | R |
| C | T | B | B | B | H | E | E | R | A | T | C | T | Y |
| H | C | 1 | 0 | B | E | M | A | E | L | U | U | A | D |
| N | A | N | R | Q | A | R | P | S | L | G | R | G | 0 |
| O | F | U | A | U | M | S | T | R | U | Y | I | I | C |
| L | U | C | T | A | Y | M | 1 | H | R | T | T | R | K |
| O | N | L | 0 | L | T | M | T | N | G | L | Y | F | Y |
| G | A | E | R | 1 | U | M | O | B | Y | 1 | I | A | A |
| Y | M | A | Y | T | Y | 0 | Y | T | E | F | A | S | Q |
| U | T | R | 0 | Y | R | R | I | A | P | E | R | Y | L |


| Basin | Security | Technology | Submarine |
| :--- | :--- | :--- | :--- |
| Tug | Jetty | Safety | Quality |
| Graduate | Dry dock | Repair | Crane |
| Metallurgy | Manufacture | Laboratory | Berth |
| Frigate | Nuclear | Stores |  |

## Wordsearch: Different gases

| E | M | L | E | D | G | R | O | A | A | N | A | P | N |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| D | O | N | R | S | A | N | U | E | R | E | E | R | X |
| I | M | G | X | D | D | Y | X | B | G | D | D | O | E |
| X | T | O | O | Y | H | E | L | I | U | M | I | P | N |
| O | A | N | E | N | A | H | T | E | M | H | X | A | O |
| N | L | H | O | O | X | N | N | N | T | P | O | N | N |
| O | O | Y | N | O | H | E | L | E | O | O | S | E | N |
| M | D | D | O | X | A | O | O | G | D | O | U | P | E |
| O | T | O | G | R | G | N | H | A | A | R | T | E | R |
| B | E | G | A | E | A | D | H | T | R | E | T | O | E |
| R | E | E | E | N | E | E | T | I | O | I | I | N | T |
| A | M | N | N | O | D | E | E | N | N | N | N | X | O |
| C | I | O | O | A | D | E | M | H | D | E | G | R | O |


| Argon | Methanol | Radon |
| :--- | :--- | :--- |
| Helium | Oxygen | Methane |
| Carbon Monoxide | Nitrogen | Neon |
| Freon | Xenon | Hydrogen |
| Propane | Nitrous oxide |  |

## Wordsearch: Electronic parts

| Z | T | R | A | N | S | I | S | T | O | R | S | R | G |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| L | L | C | I | T | S | A | L | P | U | G | N | C | T |
| O | E | L | R | E | S | U | F | L | I | S | O | O | T |
| V | G | O | N | L | A | M | P | O | C | P | I | P | S |
| C | T | I | U | C | R | I | C | U | O | L | T | P | O |
| B | A | U | L | I | G | H | T | T | M | U | A | E | L |
| R | A | B | H | O | O | T | E | P | P | G | U | R | D |
| O | L | T | L | C | L | T | R | U | O | P | L | M | E |
| T | M | L | T | O | I | T | E | U | I | C | N | S | E |
| I | O | E | T | Z | R | E | W | I | I |  |  |  |  |
| S | E | T | U | O | W | Y | S | S | T | I | E | A | G |
| E | B | B | D | R | R | E | P | P | S | W | L | F | N |
| R | Z | M | L | I | Y | T | E | F | A | S | T | A | S |


| Light | Switch | Plug | Battery |
| :--- | :--- | :--- | :--- |
| Fuse | Components | Copper | Buzzer |
| Resistor | Cable | Lamp | Plastic |
| Output | Soldering | Safety | Wires |
| Motor | Evaluation | Transistor | Circuit |
|  |  | $\mathbf{2 9}$ |  |

## Wordsearch: Nuclear

| F | 1 | S | S | 1 | O | N | A | B | E | T | A | P | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| N | C | A | C | T | A | R | H | I | N | L | R | U | L |
| E | L | 1 | M | C | G | A | M | M | A | O | C | H | E |
| U | M | N | E | N | E | R | G | Y | T | A | E | R | C |
| T | E | G | R | A | H | C | T | 0 | N | V | A | D | T |
| R | P | T | C | R | A | S | N | U | U | L | L | N | R |
| 0 | $N$ | U | C | L | E | A | R | G | L | I | P | 0 | 0 |
| N | G | A | F | U | S | I | O | N | G | I | H | 0 | N |
| E | N | O | I | T | C | A | E | R | N | 1 | A | H | C |
| D | E | C | A | Y | C | 0 | N | S | T | A | N | T | 0 |
| Y | E | N | R | A | D | I | A | T | I | O | N | R | R |
| E | E | I | R | O | P | A | R | T | I | C | L | E | S |
| C | L | R | A | D | I | O | A | C | T | I | V | E | 0 |
| O | E | T | E | L | E | M | E | N | T | I | C | H | R |


|  |  |  |  |
| :--- | :--- | :--- | :--- |
| Proton | Neutron | Beta | Element |
| Decay constant | Energy | Particles | Fusion |
| Chain reaction | Radiation | Charge |  |
| Nuclear | Fission | Gamma |  |
| Alpha | Radioactive | Electron |  |
|  |  |  |  |

## Wordsearch: Submarines

| R | E | P | 0 | C | S | I | R | E | P | P | R | L | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A | S | S | R | A | D | A | R | M | A | S | T | U | I |
| N | M | S | N | A | L | P | L | A | N | E | S | A | L |
| O | E | U | B | U | L | K | H | E | A | D | D | F | E |
| S | T | B | U | R | U | C | L | S | E | E | D | I | N |
| M | S | M | N | 0 | N | D | 0 | 0 | L | N | S | N | T |
| O | Y | A | D | T | D | H | R | V | R | R | E | S | O |
| O | S | R | E | C | E | E | U | A | E | T | F | E | T |
| R | R | 1 | T | A | R | T | D | N | N | R | A | N | S |
| D | M | N | E | E | W | H | D | T | T | C | T | P | N |
| R | 1 | E | C | R | A | C | E | U | S | R | B | N | V |
| A | R | O | T | C | T | T | R | E | S | C | A | P | E |
| W | T | A | E | P | E | A | O | D | E | U | A | S | A |
| S | S | R | D | 1 | R | H | U | G | N | 1 | S | A | C |


| Patrol | Hatch | Undetected | Wardroom |
| :--- | :--- | :--- | :--- |
| Underwater | Radar mast | Systems | Covert |
| Planes | Submarine | Periscope | Casing |
| Bulkhead | Escape | Silent | Rudder |
| Sonar | Fin |  | Reactor |

## Wordsearch: Surface ships

| S | P | H | A | W | S | E | P | 1 | P | E | R | E | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| U | T | R | A | A | A | U | 1 | A | R | K | A | T | L |
| P | P | Y | O | E | O | G | E | H | T | E | D | N | A |
| E | S | A | E | P | T | T | 1 | D | S | E | A | E | U |
| R | A | S | S | L | E | A | F | T | E | L | R | M | N |
| S | M | 1 | A | W | L | L | S | G | A | M | L | E | D |
| T | 1 | L | R | R | M | A | L | T | S | A | M | C | R |
| R | D | R | S | F | A | T | G | E | O | W | D | A | Y |
| U | S | W | O | O | O | R | B | M | R | E | K | L | N |
| C | H | B | R | 1 | D | G | E | S | S | E | M | P | R |
| T | 1 | A | T | F | R | O | L | B | O | W | M | S | E |
| U | P | H | R | T | A | N | C | H | O | R | I | I | T |
| R | S | F | 0 | R | E | E | B | W | E | U | E | D | S |
| E | F | N | N | O | 1 | T | A | G | 1 | V | A | N | P |


|  |  |  |  |
| :--- | :--- | :--- | :--- |
| Radar | Bridge | Superstructure | Keel |
| Amidships | Anchor | Mast | Mess |
| Propeller | Bow | Fore | Stern |
| Displacement | Laundry | Hawse pipe |  |
| Aft | Galley | Navigation |  |
|  |  | $\mathbf{3 2}$ |  |

## Wordsearch: STEM

| S | R | A | A | P | G | R | A | D | U | A | T | E | N |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | O | 1 | T | U | O | N | U | C | L | E | A | R | M |
| T | D | N | N | M | E | N | T | O | R | N | N | M | A |
| E | A | O | A | D | O | C | K | Y | A | R | D | A | T |
| C | S | A | T | I | S | C | 1 | E | N | C | E | S | H |
| H | S | E | A | D | G | N | 1 | H | C | A | 0 | C | E |
| N | A | M | M | A | R | 1 | N | E | C | S | N | D | M |
| 0 | B | 0 | Y | A | V | 1 | A | T | 1 | O | N | N | A |
| L | M | P | G | N | 1 | N | R | A | E | L | G | A | T |
| 0 | A | E | D | A | N | U | S | T | E | M | A | L | I |
| G | E | N | G | 1 | N | E | E | R | 1 | N | G | G | C |
| Y | U | H | N | M | T | L | A | Y | O | R | N | E | S |
| 1 | A | N | 0 | 1 | T | A | C | U | D | E | 0 | T | D |
| T | R | O | P | N | O | V | E | D | D | O | Y | O | G |


| Coaching | Mathematics | Marine | Devonport |
| :--- | :--- | :--- | :--- |
| Mentor | Royal | Learning | Aviation |
| Dockyard | STEM | Nuclear | Technology |
| Land | Ambassador | Engineering |  |
| Education | Science | Graduate |  |
|  |  | $\mathbf{3 3}$ |  |

## Subtraction \& addition (easy)

Can you fill in the yellow blanks to complete the number square?

| 6 | + | 4 | $=$ |  | + |  | $=$ | 15 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| + |  | + |  | - |  | - |  | - |
|  | - | 4 | $=$ | 4 | + |  | $=$ | 5 |
| $=$ |  | $=$ |  | $=$ |  | $=$ |  | $=$ |
| 14 | - |  | $=$ | 6 | + |  | $=$ |  |
| - |  | - |  | + |  | + |  | - |
| 5 | + |  | $=$ |  | - | 4 | $=$ | 4 |
| $=$ |  | $=$ |  | $=$ |  | $=$ |  | $=$ |
|  | + | 5 | $=$ |  | - | 8 | $=$ |  |

## Subtraction \& addition (easy)

Can you fill in the missing numbers, addition, subtraction and multiplication symbols in the yellow boxes?

| 6 |  | 9 | $=$ | 15 |
| :---: | :---: | :---: | :---: | :---: |
| + |  |  |  | + |
| 8 |  | 4 | $=$ |  |
| $=$ |  | $=$ |  | $=$ |
| 14 |  | 5 | $=$ | 19 |


| 9 |  | 7 | $=$ | 2 |
| :---: | :---: | :---: | :---: | :---: |
|  |  | - |  |  |
| 2 |  | 4 | $=$ | 6 |
| $=$ |  | $=$ |  | $=$ |
|  | - | 3 | $=$ | 8 |


| 8 |  | 3 | $=$ | 5 |
| :---: | :---: | :---: | :---: | :---: |
|  |  | + |  |  |
| 9 |  | 7 | $=$ | 2 |
| $=$ |  | $=$ |  | $=$ |
| 17 |  | 10 | $=$ | 7 |


| 7 |  | 2 | $=$ | 5 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 9 |  | 6 | $=$ | 3 |
| $=$ |  | $=$ |  | $=$ |
| 16 |  | 8 | $=$ | 8 |


| 9 | - | 6 | $=$ | 3 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 4 |  | 2 | $=$ | 6 |
| $=$ |  | $=$ |  | $=$ |
| 5 | + | 4 | $=$ | 9 |


| 3 |  | 7 | $=$ | 10 |
| :---: | :---: | :---: | :---: | :---: |
|  |  | - |  |  |
| 9 | - | 5 | $=$ | 4 |
| $=$ |  | $=$ |  | $=$ |
| 12 |  | 2 | $=$ | 14 |

## Subtraction \& addition (moderate)

Can you fill in the missing addition and subtraction symbols in the yellow boxes?

| 5 |  | 4 | $=$ | 9 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 8 |  | 2 | $=$ | 6 |
| $=$ |  | $=$ |  | $=$ |
| 13 |  | 2 | $=$ | 15 |


| 9 |  | 8 | $=$ | 17 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 2 |  | 4 | $=$ | 6 |
| $=$ |  | $=$ |  | $=$ |
| 7 |  | 4 | $=$ | 11 |


| 8 |  | 9 | $=$ | 17 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 7 |  | 4 | $=$ | 3 |
| $=$ |  | $=$ |  | $=$ |
| 15 |  | 5 | $=$ | 20 |


| 6 |  | 7 | $=$ | 13 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 8 |  | 3 | $=$ | 5 |
| $=$ |  | $=$ |  | $=$ |
| 14 |  | 4 | $=$ | 18 |


| 7 |  | 8 | $=$ | 15 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 2 |  | 4 | $=$ | 6 |
| $=$ |  | $=$ |  | $=$ |
| 5 |  | 4 | $=$ | 9 |


| 8 |  | 6 | $=$ | 2 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 3 |  | 4 | $=$ | 7 |
| $=$ |  | $=$ |  | $=$ |
| 11 |  | 2 | $=$ | 9 |

## Subtraction \& addition (hard)

Can you fill in the missing addition and subtraction symbols in the yellow boxes?

| 9 |  | 5 | $=$ | 14 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 7 |  | 3 | $=$ | 4 |
| $=$ |  | $=$ |  | $=$ |
| 2 |  | 8 | $=$ | 10 |


| 8 |  | 5 | $=$ | 13 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 2 |  | 3 | $=$ | 5 |
| $=$ |  | $=$ |  | $=$ |
| 10 |  | 2 | $=$ | 8 |


| 9 |  | 2 | $=$ | 7 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 5 |  | 3 | $=$ | 2 |
| $=$ |  | $=$ |  | $=$ |
| 4 |  | 5 | $=$ | 9 |


| 6 |  | 2 | $=$ | 4 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 8 |  | 3 | $=$ | 5 |
| $=$ |  | $=$ |  | $=$ |
| 14 |  | 5 | $=$ | 9 |


| 4 |  | 9 | $=$ | 13 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 8 |  | 2 | $=$ | 6 |
| $=$ |  | $=$ |  | $=$ |
| 12 |  | 7 | $=$ | 19 |


| 6 |  | 4 | $=$ | 10 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 5 |  | 2 | $=$ | 3 |
| $=$ |  | $=$ |  | $=$ |
| 11 |  | 2 | $=$ | 13 |

## Subtraction \& addition (harder)

Can you fill in the missing numbers, addition and subtraction symbols in the yellow boxes?

| 63 |  | 51 | $=$ | 114 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 50 |  |  | $=$ | 4 |
| $=$ |  | $=$ |  | $=$ |
| 113 |  | 5 | $=$ |  |


| 89 |  | 84 | $=$ | 173 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 92 | - |  | $=$ | 65 |
| $=$ |  | $=$ |  | $=$ |
|  | + | 57 | $=$ | 238 |


| 83 |  | 79 | $=$ | 162 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | - |
| 61 |  | 62 | $=$ |  |
| $=$ |  | $=$ |  | $=$ |
| 22 | + | 17 | $=$ |  |


| 91 |  | 28 | $=$ | 119 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | - |
| 44 |  | 33 | $=$ |  |
| $=$ |  | $=$ |  | $=$ |
| 47 |  | 61 | $=$ |  |


| 96 |  | 21 | $=$ | 117 |
| :---: | :---: | :---: | :---: | :---: |
|  |  | - |  |  |
| 74 |  | 16 | $=$ |  |
| $=$ |  | $=$ |  | $=$ |
| 170 |  | 5 | $=$ |  |


| 60 |  | 65 | $=$ | 125 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 90 |  | 54 | $=$ | 36 |
| $=$ |  | $=$ |  | $=$ |
| 150 |  | 11 | $=$ | 161 |

## Number crossword

Can you complete the addition, subtraction, multiplication and division equations below and fill in the yellow blanks to complete the crossword?

| 12 | + |  | $=$ | 36 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\div$ |  | $\div$ |  |  |  | + |
|  | - |  | $=$ | 4 |  |  |  | 23 |
| x |  | = |  | = |  | $\div$ |  | = |
|  |  | 6 |  |  | x | 5 | = |  |
| $=$ |  |  |  |  |  | = |  |  |
| 56 |  | 20 | - |  | = | 11 |  | 3 |
|  |  | + |  | x |  |  |  | x |
| 84 | $\div$ |  | = |  |  |  |  | 13 |
|  |  | = |  | = |  |  |  | $=$ |
|  |  |  |  | 63 | - |  | $=$ |  |

## Subtraction crossword

Can you fill in the yellow blanks of each puzzle to make the subtraction equations?


|  |  |  |  |  | - | 56 | $=$ | 31 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - |  |  |  | - |  | - |  |  |  | - |
| 34 |  | 87 | - | 44 | = |  |  |  |  | 79 |
| = |  |  |  | = |  | = |  |  |  | = |
| 65 | - |  | = |  |  |  | - | 13 |  |  |

## Multiplication crossword

Can you fill in the yellow blanks to make the final sums correct?


## Dockyard maths rally

Can you fill in the yellow blanks to make the final sums correct?

## HOME SAFE EVERYDAY












## Number snake

Can you complete the number snake?


## Answers



Pg 35: Subtraction \& addition (easy)


Pg 36: Subtraction \& addition (moderate)


Pg 37: Subtraction \& addition (hard)


Pg 38: Subtraction \& addition (harder)

| 63 | + | 51 | $=$ | 114 |
| :---: | :---: | :---: | :---: | :---: |
| + |  | - |  | + |
| 50 | - | 46 | $=$ | 4 |
| $=$ |  | $=$ |  | $=$ |
| 113 | + | 5 | $=$ | 118 |$\quad$| 89 | + | 84 | $=$ | 173 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| + |  | - |  | + |
| 92 | - | 27 | $=$ | 65 |
| $=$ |  | $=$ |  | $=$ |
| 181 | + | 57 | $=$ | 238 |
| 83 | + | 79 | $=$ | 162 |
| - |  | - |  | - |
| 61 | - | 62 | $=$ | 123 |
| $=$ |  | $=$ |  | $=$ |
| 22 | + | 17 | $=$ | 39 |$\quad$| 91 | + | 28 | $=$ | 119 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| - |  | + |  | - |
| 44 |  | 33 | $=$ | 11 |
| $=$ |  | $=$ |  | $=$ |
| 47 | + | 61 | $=$ | 108 |
| 96 | + | 21 | $=$ | 117 |
| + |  | - |  | + |
| 74 | - | 16 | $=$ | 58 |
| $=$ |  | $=$ |  | $=$ |
| 170 | + | 5 | $=$ | 175 |$\quad$| 60 | + | 65 | $=$ | 125 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| + |  | - |  | + |
| 90 | - | 54 | $=$ | 36 |
| $=$ |  | $=$ |  | $=$ |
| 150 | + | 11 | $=$ | 161 |

Pg 39: Number crossword


Pg 40: Subtraction crossword

| 74 | - | 28 | $=$ | 46 |  | 60 | - | 12 |  |  | 48 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - |  |  |  | - |  | - |  |  |  |  | - |
| 53 | - | 30 | $=$ | 23 |  | 32 |  | 14 |  |  | 18 |
| $=$ |  |  |  | $=$ |  | $=$ |  |  |  |  | = |
| 21 |  | 51 | - | 23 | $=$ | 28 |  |  |  |  | 30 |
| 99 |  |  |  | 87 | - | 56 | $=$ | 31 |  |  | 79 |
| - |  |  |  | - |  | - |  |  |  |  | - |
| 34 |  | 87 | - | 44 | $=$ | 43 |  |  |  |  | 79 |
| $=$ |  |  |  | = |  | $=$ |  |  |  |  | $=$ |
| 65 | - | 22 | $=$ | 43 |  | 13 |  | 13 |  |  | 0 |

Pg 41: Multiplication crossword


Pg 42: Dockyard maths rally

| 2 |  | + | 8 |  | $x$ | 2 |  | $=$ | 20 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | + |  |  | + |  |  |  |  |  |  |  |  |
| 17 |  | + | 8 |  | + | 78 |  |  | 20 |  |  | 74 | - | 37 | $=$ |  | 7 |
| + |  |  |  |  |  | $=$ |  |  | $=$ |  |  | = |  | - |  |  |  |
| 9 |  |  |  |  |  | 80 |  | $\div$ | 40 |  | $=$ | 2 |  | 6 |  |  |  |
| + |  |  |  |  |  |  |  |  |  |  |  | + |  | $\times$ |  |  | + |
| 23 |  | + | 4 |  | + | 2 |  | - | 69 |  | $=$ | 72 |  | 6 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | $=$ |  |  | = |
| 14 |  | + | 10 |  | + | 8 |  |  |  |  |  | 197 | $=$ | 186 | + |  | 1 |
| + |  |  |  |  |  | + |  |  |  |  |  | + |  |  |  |  |  |
| 18 |  |  |  |  |  | 12 |  | + | 12 |  | + | 12 |  |  |  |  |  |
| $=$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 283 |  | - | 43 |  | $\div$ | 2 |  | $=$ | 120 |  |  | 2 | + | 2 | $=$ |  | 28 |
|  |  |  |  |  |  |  |  |  | + |  |  | + |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 2 |  | + | 2 |  | 16 | $=$ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | + |  |  |  |
| 97 |  | $=$ | 9 |  | + | 14 |  | + | 19 |  | $+$ | 18 | + | 21 |  |  |  |
| - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  | - | 16 |  | $=$ | 32 |  |  | 2 | + | 23 | $=$ |  | 151 |
| - |  | 17 | - |  | 13 |  |  |  | $\times$ |  | 2 | $\times$ |  |  |  |  |  |

Pg 43: Hexagon addition


Pg 44: Number snake



