## Independent Month \& <br> English Work Booklet



## Pirate-Themed Mental Calculations Code Breaker

 Use the code breaker to reveal the pirate-themed words. Find the words you reveal in the word search.| $\mathbf{a}$ | $\mathbf{b}$ | $\mathbf{c}$ | $\mathbf{d}$ | $\mathbf{e}$ | $\mathbf{f}$ | $\mathbf{g}$ | $\mathbf{h}$ | $\mathbf{i}$ | $\mathbf{j}$ | $\mathbf{k}$ | $\mathbf{l}$ | $\mathbf{m}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 121 | 642 | 125 | 8 | 12 | 11 | 16 | 22 | 216 | 48 | 49 | 36 | 603 |


| $\mathbf{n}$ | $\mathbf{o}$ | $\mathbf{p}$ | $\mathbf{q}$ | $\mathbf{r}$ | $\mathbf{s}$ | $\mathbf{t}$ | $\mathbf{u}$ | $\mathbf{v}$ | $\mathbf{w}$ | $\mathbf{x}$ | $\mathbf{y}$ | $\mathbf{z}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7044 | 872 | 14 | 42 | 7704 | 27 | 84 | 100 | 27 | 64 | 120 | 66 | 144 |


|  | Answer | Letter |
| :--- | :--- | :--- |
| $64200 \div 100$ |  |  |
| $10^{2}$ |  |  |
| $0.125 \times 1000$ |  |  |
| $5^{3}$ |  |  |
| $\frac{11}{12}$ of 132 |  |  |
| $15184-8140$ |  |  |
| $\frac{3}{7}$ of 28 |  |  |
| $\frac{2}{11}$ of 66 |  |  |
| $4052+3652$ |  |  |


|  | Answer | Letter |
| :--- | :--- | :--- |
| $\frac{7}{12}$ of 24 |  |  |
| $11^{2}$ |  |  |
| $36357-28653$ |  |  |
| $6992+712$ |  |  |
| $25652-24780$ |  |  |
| $\frac{7}{12}$ of 144 |  |  |


| $5184-5059$ |  |  |
| :--- | :--- | :--- |
| $1.21 \times 10^{2}$ |  |  |
| $\frac{2}{5}$ of 35 |  |  |
| $0.084 \times 1000$ |  |  |
| $11^{2}$ |  |  |
| $21600 \div 100$ |  |  |
| $7.044 \times 10^{3}$ |  |  |


| $5^{3}$ |  |  |
| :--- | :--- | :--- |
| $10^{2}$ |  |  |
| $0.84 \times 100$ |  |  |
| $6^{2}$ |  |  |
| $\frac{11}{100}$ of 1100 |  |  |
| $3^{3}$ |  |  |
| $\frac{3}{8}$ of 72 |  |  |

$p a r o d i g h i j k l$ $m \quad n \quad p \quad p \quad q \quad r \quad s \quad u \quad p \quad w x$ $y \quad z \quad a \quad l \quad c \quad u \quad t \quad a \quad s \quad s$ $k \quad l \quad b \quad n \quad a \quad q \quad r \quad s \quad r \quad u \quad v$ $w x$ y $u$ a $n c d e r g h$ s j $k \quad l \quad c \quad n \quad k \quad p \quad q \quad o \quad s \quad t$ $n \quad v \quad w x y c s b c t e f$ $a \quad h i j k l a n o p q r$ is u v w x i na bc d l fa hi j ll en op $q \quad a \quad p \quad t a i n y e a b$ cd $e f g h i j k l r n$


## Maths Activity Mat

## Section 1

Order the following numbers from the smallest to largest: 1101011111010111001111010011

|  |  |  |  |
| :--- | :--- | :--- | :--- |



Section 4
Simplify the following fractions:

Section 5
Calculate:
$0.2 \mathrm{~kg}=$ $\qquad$ g
$1490 \mathrm{~g}=$ $\qquad$ kg
$1.2 \mathrm{~kg}=$ $\qquad$

## Section 2

Four classes share 3
boxes of 500 pencils.
Circle the amount which is a good estimate of how many pencils each class will have.


## Pirate Flags

These flags have been designed on cm square grids.
-What is the area of each flag?

- What is the perimeter of each flag?

Colour in the flags according to the fractions.


|  |  |  |  |  |  |  |  | $\checkmark$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  | $V$ |  |
|  |  |  |  |  |  |  | $\checkmark$ |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

Red $=\frac{1}{3}$
Green $=\frac{1}{6}$
Blue $=\frac{1}{2}$

Area $=$ $\qquad$
Perimeter $=$ $\qquad$
Red $=\frac{1}{4}$
Green $=\frac{1}{8}$
Blue $=\frac{1}{2}$
White $=\frac{1}{8}$


Area $=$ $\qquad$
Perimeter $=$


## Pirate-Themed Mental Calculations Mosaic

Solve the calculations to reveal the hidden picture.
Each answer has a special colour.

## Mosaic 1

|  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Red $=$ | Skin colour of <br> your choice $=$ <br> $2500-3999$ | Blue $=$ <br> 1000-2499 | $4000-5499$ | Black $=$ | Brown = | | Purple $=$ |
| :---: |


| $\begin{gathered} 3997+ \\ 60 \end{gathered}$ | $\begin{gathered} 4265+ \\ 70 \end{gathered}$ | $\begin{gathered} 5488+ \\ 60 \end{gathered}$ | $\begin{gathered} 6526- \\ 40 \end{gathered}$ | $\begin{gathered} 5587- \\ 70 \end{gathered}$ | $\begin{gathered} 7044- \\ 90 \end{gathered}$ | $\begin{gathered} 6071+ \\ 80 \end{gathered}$ | $\begin{gathered} 4250+ \\ 60 \end{gathered}$ | $\begin{gathered} 5217+ \\ 70 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 5018+ \\ 80 \end{gathered}$ | $\begin{gathered} 5444+ \\ 90 \end{gathered}$ | $\begin{gathered} 5629+ \\ 80 \end{gathered}$ | $\begin{gathered} 6143- \\ 70 \end{gathered}$ | $\begin{gathered} 6857- \\ 20 \end{gathered}$ | $\begin{gathered} 7033- \\ 80 \end{gathered}$ | $\begin{gathered} 5567+ \\ 80 \end{gathered}$ | $\begin{gathered} 5625+ \\ 10 \end{gathered}$ | $\begin{gathered} 4954+ \\ 90 \end{gathered}$ |
| $\begin{gathered} 6146+ \\ 80 \end{gathered}$ | $\begin{gathered} 6177- \\ 50 \end{gathered}$ | $\begin{gathered} 6271- \\ 60 \end{gathered}$ | $\begin{gathered} 6585+ \\ 90 \end{gathered}$ | $\begin{gathered} 6927- \\ 60 \end{gathered}$ | $\begin{gathered} 5693+ \\ 90 \end{gathered}$ | $\begin{gathered} 5782+ \\ 30 \end{gathered}$ | $\begin{gathered} 5587+ \\ 20 \end{gathered}$ | $\begin{gathered} 6748- \\ 40 \end{gathered}$ |
| $\begin{gathered} 4569+ \\ 50 \end{gathered}$ | $\begin{gathered} 5534- \\ 70 \end{gathered}$ | $\begin{gathered} 2468+ \\ 80 \end{gathered}$ | $\begin{gathered} 2956- \\ 70 \end{gathered}$ | $\begin{gathered} 4017- \\ 50 \end{gathered}$ | $\begin{gathered} 3541+ \\ 60 \end{gathered}$ | $\begin{gathered} 2787+ \\ 60 \end{gathered}$ | $\begin{gathered} 5413+ \\ 20 \end{gathered}$ | $\begin{gathered} 4499+ \\ 40 \end{gathered}$ |
| $\begin{gathered} 3963+ \\ 70 \end{gathered}$ | $\begin{gathered} 2957- \\ 40 \end{gathered}$ | $\begin{gathered} 3016- \\ 50 \end{gathered}$ | $\begin{gathered} 5504- \\ 10 \end{gathered}$ | $\begin{gathered} 3078+ \\ 80 \end{gathered}$ | $\begin{gathered} 5892+ \\ 90 \end{gathered}$ | $\begin{gathered} 3520+ \\ 40 \end{gathered}$ | $\begin{gathered} 2567- \\ 50 \end{gathered}$ | $\begin{gathered} 4755+ \\ 60 \end{gathered}$ |
| $\begin{gathered} 4585+ \\ 50 \end{gathered}$ | $\begin{gathered} 6971+ \\ 50 \end{gathered}$ | $\begin{gathered} 2676- \\ 50 \end{gathered}$ | $\begin{gathered} 3455- \\ 80 \end{gathered}$ | $\begin{gathered} 3783+ \\ 40 \end{gathered}$ | $\begin{gathered} 4037- \\ 90 \end{gathered}$ | $\begin{gathered} 2560+ \\ 20 \end{gathered}$ | $\begin{gathered} 7526+ \\ 60 \end{gathered}$ | $\begin{gathered} 4508+ \\ 20 \end{gathered}$ |
| $\begin{gathered} 5206+ \\ 20 \end{gathered}$ | $\begin{gathered} 8512- \\ 40 \end{gathered}$ | $\begin{gathered} 3453+ \\ 70 \end{gathered}$ | $\begin{gathered} 2527- \\ 40 \end{gathered}$ | $\begin{gathered} 1999+ \\ 60 \end{gathered}$ | $\begin{gathered} 2087- \\ 60 \end{gathered}$ | $\begin{gathered} 3953+ \\ 40 \end{gathered}$ | $\begin{gathered} 7037+ \\ 70 \end{gathered}$ | $\begin{gathered} 5408+ \\ 90 \end{gathered}$ |
| $\begin{gathered} 3914+ \\ 90 \end{gathered}$ | $\begin{gathered} 4567+ \\ 70 \end{gathered}$ | $\begin{gathered} 6982+ \\ 20 \end{gathered}$ | $\begin{gathered} 8501 \\ 50 \end{gathered}$ | $\begin{gathered} 7524+ \\ 40 \end{gathered}$ | $\begin{gathered} 8516- \\ 30 \end{gathered}$ | $\begin{gathered} 8274+ \\ 80 \end{gathered}$ | $\begin{gathered} 3990+ \\ 20 \end{gathered}$ | $\begin{gathered} 5400- \\ 90 \end{gathered}$ |
| $\begin{gathered} 4657+ \\ 30 \end{gathered}$ | $\begin{gathered} 8486+ \\ 40 \end{gathered}$ | $\begin{gathered} 9945 \\ +20 \end{gathered}$ | $\begin{gathered} 9514- \\ 40 \end{gathered}$ | $\begin{gathered} 8921+ \\ 70 \end{gathered}$ | $\begin{gathered} 9254+ \\ 60 \end{gathered}$ | $\begin{gathered} 8878+ \\ 80 \end{gathered}$ | $\begin{gathered} 9426- \\ 70 \end{gathered}$ | $\begin{gathered} 5514- \\ 20 \end{gathered}$ |
| $\begin{gathered} 8498+ \\ 70 \end{gathered}$ | $\begin{gathered} 9466+ \\ 60 \end{gathered}$ | $\begin{gathered} 9014- \\ 30 \end{gathered}$ | $\begin{gathered} 8889+ \\ 80 \end{gathered}$ | $\begin{gathered} 9998- \\ 90 \end{gathered}$ | $\begin{gathered} 9754+ \\ 80 \end{gathered}$ | $\begin{gathered} 9620- \\ 90 \end{gathered}$ | $\begin{gathered} 9927- \\ 60 \end{gathered}$ | $\begin{gathered} 9694+ \\ 90 \end{gathered}$ |

Extra Challenge: Which of the following calculations is incorrect? Explain your reason.

$$
4584+50=4634 \quad 8513-30=8473 \quad 4499+40=4539
$$

## Mosaic 2

| Black = | Brown = | Grey = | Yellow = | Blue $=$ | Green $=$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $1000-2499$ | $2500-3999$ | $4000-5499$ | $5500-6999$ | $7000-8499$ | $8500-9999$ |


| $\begin{gathered} 7204+ \\ 89 \end{gathered}$ | $\begin{gathered} 6991+ \\ 81 \end{gathered}$ | $\begin{gathered} 4526+ \\ 69 \end{gathered}$ | 5217- <br> 99 | $\begin{gathered} 5517- \\ 41 \end{gathered}$ | $\begin{gathered} 8486- \\ 69 \end{gathered}$ | $\begin{gathered} 8539- \\ 91 \end{gathered}$ | $\begin{gathered} 9877- \\ 59 \end{gathered}$ | $\begin{gathered} 7900- \\ 61 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 7777+ \\ 49 \end{gathered}$ | $\begin{gathered} 8526- \\ 61 \end{gathered}$ | $\begin{gathered} 3953+ \\ 69 \end{gathered}$ | $\begin{gathered} 6968+ \\ 39 \end{gathered}$ | $\begin{gathered} 4083+ \\ 81 \end{gathered}$ | $\begin{gathered} 7278+ \\ 99 \end{gathered}$ | $\begin{gathered} 8926+ \\ 61 \end{gathered}$ | $\begin{gathered} 8412+ \\ 91 \end{gathered}$ | $\begin{gathered} 9150- \\ 51 \end{gathered}$ |
| $\begin{gathered} 7826+ \\ 69 \end{gathered}$ | $\begin{gathered} 6989+ \\ 19 \end{gathered}$ | $\begin{gathered} 5095+ \\ 39 \end{gathered}$ | $\begin{gathered} 7834 \\ 29 \end{gathered}$ | $\begin{gathered} 3993+ \\ 79 \end{gathered}$ | $\begin{gathered} 8186- \\ 81 \end{gathered}$ | $\begin{gathered} 8414- \\ 69 \end{gathered}$ | $\begin{gathered} 2456+ \\ 89 \end{gathered}$ | $\begin{gathered} 7412+ \\ 81 \end{gathered}$ |
| $\begin{gathered} 7842- \\ 49 \end{gathered}$ | $\begin{gathered} 7517+ \\ 51 \end{gathered}$ | $\begin{gathered} 8096+ \\ 31 \end{gathered}$ | $\begin{gathered} 8278 \\ 39 \end{gathered}$ | $\begin{gathered} 4606- \\ 89 \end{gathered}$ | $\begin{gathered} 8512- \\ 71 \end{gathered}$ | $\begin{gathered} 6978+ \\ 89 \end{gathered}$ | $\begin{gathered} 4012- \\ 71 \end{gathered}$ | $\begin{gathered} 7433- \\ 39 \end{gathered}$ |
| $\begin{gathered} 7077+ \\ 69 \end{gathered}$ | $\begin{gathered} 8086- \\ 81 \end{gathered}$ | $\begin{gathered} 7522+ \\ 71 \end{gathered}$ | $\begin{gathered} 8155+ \\ 19 \end{gathered}$ | $\begin{gathered} 5122+ \\ 29 \end{gathered}$ | $\begin{gathered} 7661+ \\ 59 \end{gathered}$ | $\begin{gathered} 6994+ \\ 49 \end{gathered}$ | $\begin{gathered} 2983+ \\ 39 \end{gathered}$ | $\begin{gathered} 7940- \\ 51 \end{gathered}$ |
| $\begin{gathered} 7053- \\ 61 \end{gathered}$ | $\begin{gathered} 5486+ \\ 69 \end{gathered}$ | $\begin{gathered} 5989+ \\ 91 \end{gathered}$ | $\begin{gathered} 5294+ \\ 19 \end{gathered}$ | $\begin{gathered} 4670- \\ 21 \end{gathered}$ | $\begin{gathered} 4525+ \\ 19 \end{gathered}$ | $\begin{gathered} 7002 \\ 69 \end{gathered}$ | $\begin{gathered} 5475+ \\ 31 \end{gathered}$ | $\begin{gathered} 7047- \\ 49 \end{gathered}$ |
| $\begin{gathered} 7007- \\ 81 \end{gathered}$ | $\begin{gathered} 5786+ \\ 89 \end{gathered}$ | $\begin{gathered} 2414+ \\ 99 \end{gathered}$ | $\begin{gathered} 3148 \\ 29 \end{gathered}$ | $\begin{gathered} 2991- \\ 49 \end{gathered}$ | $\begin{gathered} 4015- \\ 61 \end{gathered}$ | $\begin{gathered} 3246+ \\ 29 \end{gathered}$ | $\begin{gathered} 5687+ \\ 79 \end{gathered}$ | $\begin{gathered} 5621+ \\ 41 \end{gathered}$ |
| $\begin{gathered} 5479+ \\ 81 \end{gathered}$ | $\begin{gathered} 5733+ \\ 69 \end{gathered}$ | $\begin{gathered} 3847+ \\ 19 \end{gathered}$ | $\begin{gathered} 4001- \\ 59 \end{gathered}$ | $\begin{gathered} 2722+ \\ 31 \end{gathered}$ | $\begin{gathered} 3033+ \\ 61 \end{gathered}$ | $\begin{gathered} 2834+ \\ 59 \end{gathered}$ | $\begin{gathered} 5555+ \\ 81 \end{gathered}$ | $\begin{gathered} 7006- \\ 99 \end{gathered}$ |
| $\begin{gathered} 7018- \\ 21 \end{gathered}$ | $\begin{gathered} 5516+ \\ 39 \end{gathered}$ | $\begin{gathered} 3456+ \\ 21 \end{gathered}$ | $\begin{gathered} 3690- \\ 59 \end{gathered}$ | $\begin{gathered} 3544 \\ 81 \end{gathered}$ | $\begin{gathered} 4036- \\ 41 \end{gathered}$ | $\begin{gathered} 2544+ \\ 61 \end{gathered}$ | $\begin{gathered} 6017 \\ 29 \end{gathered}$ | $\begin{gathered} 6712- \\ 41 \end{gathered}$ |
| $\begin{gathered} 5806+ \\ 69 \end{gathered}$ | $\begin{gathered} 7044- \\ 49 \end{gathered}$ | $\begin{gathered} 1567+ \\ 19 \end{gathered}$ | $\begin{gathered} 2084- \\ 49 \end{gathered}$ | $\begin{gathered} 2322 \\ 81 \end{gathered}$ | $\begin{gathered} 1568+ \\ 61 \end{gathered}$ | $\begin{gathered} 1275+ \\ 39 \end{gathered}$ | $\begin{gathered} 5496+ \\ 11 \end{gathered}$ | $\begin{gathered} 7002- \\ 11 \end{gathered}$ |

Extra Challenge: Are these statements true or false?
$2117+59$ > 2223-89
$9486+99<9568-71$


## Mosaic 3

| Black= | White $=$ | Blue $=$ | Yellow = | Green = | Red = | Purple = |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $0-2.0$ | $2.1-4.0$ | $4.1-6.0$ | $6.1-8.0$ | $8.1-10.0$ | $10.1-12.0$ | $12.1-16.0$ |


| $1.5+3.2$ | 9.2-4.4 | 12.3-2.1 | 16.4-5.1 | 20.0-8.8 | $3.5+2.1$ | 6.4-1.8 | 7.5-3.2 | 14.5-10.1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $2.4+3.1$ | 17.6-6.2 | $11.3+0.5$ | $3.6+0.2$ | $1.8+1.9$ | $9.7+0.8$ | 7.4-2.8 | 5.8-1.4 | $3.1+2.4$ |
| 6.0-1.1 | $3.7+3.9$ | $5.6+2.2$ | 7.6-6.2 | 4.2-1.6 | $5.7+5.2$ | $4.7+1.2$ | $2.9+2.9$ | 7.5-2.8 |
| $4.1+1.5$ | 10.5-2.8 | $4.7+3.3$ | 8.4-4.6 | 3.7-1.1 | $6.5+5.1$ | 5.4-0.9 | $2.0+3.7$ | 6.5-1.4 |
| 9.6-5.2 | 9.9-2.2 | $1.3+0.5$ | 19.8-7.9 | 18.4-8.2 | 12.1-1.3 | 14.3-3.2 | $3.8+0.9$ | 8.1-3.7 |
| 10.8-6.3 | $2.7+1.4$ | $1.2+3.9$ | $11.1+0.8$ | 12.6-1.7 | 14.3-2.6 | $10.1+1.8$ | $1.4+3.7$ | $2.8+3.2$ |
| $2.2+3.3$ | $1.9+3.5$ | $4.6+7.2$ | $3.9+6.8$ | 17.5-6.8 | $6.3+3.7$ | 12.5-3.4 | 16.5-4.6 | $2.9+1.1$ |
| $4.2+1.4$ | $1.7+2.5$ | 14.3-2.5 | $2.3+8.4$ | $5.5+4.2$ | 11.5-2.7 | 10.0-1.4 | $8.4+4.2$ | 8.4-2.8 |
| 6.1-1.2 | 8.4-3.7 | $9.2+2.5$ | $5.4+6.5$ | $7.4+0.9$ | $6.2+2.1$ | $7.2+0.9$ | 16.6-3.4 | $9.3+4.4$ |
| 18.3-14.1 | $1.1+4.7$ | $8.2+1.9$ | $9.2+2.1$ | $2.5+7.2$ | $6.8+2.3$ | 10.7-2.5 | 20.0-6.2 | $14.8+0.9$ |

Extra Challenge: Which calculation is the odd one out? Explain your reason.
$14.8+0.9=15.7$
$9.2-2.5=6.7$
$2.3+6.4=8.7$
$12.1-1.3=10.8$


## The Mystery of the Missing Pirate Treasure

The pirates of the Jolly Jack have been searching the Caribbean for months looking for the lost treasure of the Crusty Clam.

Legend has it that the Crusty Clam was damaged in a terrible storm and washed up on an island. In its hold was said to be a treasure chest full of gold, jewels and gems.

The Jolly Jack's captain, Olly Eyepatch, has thought of nothing but finding the lost treasure of the Crusty Clam. She has spent weeks searching through old pirate books and maps trying to find out which island the legendary treasure is buried on.


Can you help Olly Eyepatch and her pirate crew to solve the clues and find out which island the legendary treasure is buried on? Good luck!


The Mystery of the Missing Pirate Treasure

| Location | Highest point <br> above sea level | Population | Distance | Location of <br> the island's <br> treasure caves |
| :--- | :---: | :---: | :---: | :---: |
| Albatross Cliffs Island | 220 m | 17246 | 251 miles | north |
| Barnacle Beach Island | 575 m | 82105 | 164 miles | south-west |
| Cutlass Creek Island | 8 m | 6504 | 25 miles | north-east |
| Deserted Island | 22 m | 19995 | 39 miles | south-west |
| Fenny Bank Island | 3 m | 11785 | 156 miles | north-east |
| Grotto Island | 314 m | 22700 | 264 miles | east |
| Golden Ghost Island | 307 m | 1687 | 189 miles | south-west |
| Helter-Skelter Island | 689 m | 8452 | 65 miles | west |
| Kelpie Bay Island | 64 m | 21564 | 100 miles | south-east |
| Limpet Lookout Island | 192 m | 8658 | 36 miles | south-west |
| Mermaid Mile Island | 60 m | 1562 | 8 miles | north-west |
| Poison Reef Island | 1 m | 12092 | 154 miles | south |
| Ring of Rocks Island | 218 m | 560 | 92 miles | north-west |
| Sinister Pool Island | 562 m | 861 | 87 miles | south-east |
| Vulture Valley Island | 258 m | 9027 | 98 miles | south-east |
| Whitewater Bay Island | 452 m | 2929 | 58 miles | south-east |

The buried treasure can be found on:
$\square$


## Clue 1

Check these maths calculations.
If a calculation is right, put a tick. If it is wrong, put a cross.

If there are more ticks than crosses, the buried treasure is more than 150 metres above sea level.

If there are more crosses than ticks, the buried treasure is less than 150 metres above sea level.

|  |  | Right | Wrong X |
| :---: | :---: | :---: | :---: |
|  | $32.6-21.52=11.8$ |  |  |
|  | $10.04+17.37=27.41$ |  |  |
|  | $2.3+1.84+3.07=6.94$ |  |  |
|  | $95.32-26.86=68.46$ |  |  |
|  | $1.257+15.682=16.939$ |  |  |
|  | 68.72-39.562 $=29.162$ |  |  |
|  | $15.686+39.868=55.554$ |  |  |
|  | $107.248-57.3=49.948$ |  |  |
|  | $84.732-69.92=14.64$ |  |  |
|  | Total |  |  |
|  | Clue 1 Answer: <br> The buried treasure is... |  |  |

## Clue 2

Use written methods of multiplication and division to solve these calculations. Colour the answers in the table below.

Re-arrange the shaded words to find the second clue.

| 1. $18 \times 36=$ | 2. $756 \div 9=$ | 3. $8.2 \times 12=$ |
| :---: | :---: | :---: |
|  |  |  |
| 4. $1024 \div 8=$ | 5. $19 \times 28=$ | 6. $65 \times 92=$ |
|  |  |  |


| $\begin{gathered} 98.4 \\ \text { the } \end{gathered}$ | $92.4$ <br> is more than | $\begin{gathered} 98.4 \\ \text { the } \end{gathered}$ | $88$ <br> one thousand | $540$ <br> six thousand |
| :---: | :---: | :---: | :---: | :---: |
| $84$ <br> of the | $532$ <br> population | $640$ <br> five thousand | $130$ <br> four thousand | $648$ <br> island |
|  | $128$ <br> is less than | 5980 ten thousand | $6980$ <br> three thousand |  |

## Clue 2 Answer:




1 What is the height of the tide at 3:00 p.m.?
2 How many hours did it take for the tide to change from its lowest level to its highest level?
3 What is the height of the tide at 7:00 p.m.?
4. By how many metres did the tide level change between 2:00 p.m. and 8:00 p.m.?
$5 \longdiv { \text { By how many metres did the tide level change between 8:00 p.m. and 11:00 p.m.? } }$

| 6 hours <br> the | 1.2 metres <br> 60 miles | $\qquad$ | 2.8 metres <br> is more than |  |
| :---: | :---: | :---: | :---: | :---: |
| 1.7 metres <br> is less than | 1.1 metres 70 miles | 3.4 metres <br> island |  | 1.8 metres <br> away |

## Clue 3 Answer:



## Clue 4

Order each set of numbers from smallest to largest. Take the largest number in each set and colour it in the table below.

Re-arrange the shaded words to find the final clue.


4


| 2.06 |
| :---: | :---: |
| the south-west | | $\frac{5}{6}$ |
| :---: |
| located in |


| 2.2 |
| :---: |
| treasure caves |


| 2.1 |
| :---: | :---: |
| the north-east | | 2.6 |
| :---: |
| island's |


| $\frac{2}{3}$ <br> the south-east | 56881 <br> the north | 5626.8 <br> the east |
| :--- | :---: | :---: |
| 1.84 <br> the south | 56268 <br> the north-west | $\frac{5}{8}$ <br> the west |

## Clue 4 Answer:



## Five Palms Hotel

## Are you overdue some family fun in the sun?

## If the answer is yes, choose the exclusive Five Palms Hotel for your all-inclusive family holiday.

The award-winning Five Palms Hotel is one of the most modern hotels in the area with something to suit all ages. We are proud to offer three outdoor swimming pools, one indoor
 pool, a fully equipped gym, aquarium, tennis court, luxury spa and a fabulous outdoor theatre with family shows taking place every night. The hotel offers a range of adult activities including aqua aerobics, salsa dancing and tai chi.

The Five Palms Hotel has three large, air-conditioned restaurants serving food to suit even the fussiest of eaters!

Kids will enjoy the huge, indoor play gym or spending time at one of our fantastic clubs: High Fivers (ages 4-7) and Five Alivers (ages 8-12), both of which run from 9am until 5pm every day, giving adults time to switch off! High Fivers activities include stories, arts and crafts, team games and drama whilst Five Alivers offers a wide range of sports, music, dancing, obstacle courses and more!


Overlooking the beach, sea views and balconies come as a standard with every beautifully appointed room, as does air-conditioning, satellite TV and an en-suite bathroom.

Our hotel is only 15 minutes away from Palms Airport and a short walk from Five Palms Old Town where you can barter with the local shop keepers while taking in the local history and stunning architecture.

## Questions

1. Copy an example of a rhetorical question that is used in the text.

Why has the author used this?
$\qquad$
2. Tick true or false in the following table.

|  | True | False |
| :--- | :---: | :---: |
| Five Palms is an old hotel. |  |  |
| The kids clubs run from 9am to 12 pm. |  |  |
| Satellite TV is included in all rooms. |  |  |

3. Who do you think the Five Palms Hotel would be most suitable for? Why?
$\qquad$
$\qquad$
$\qquad$
4. 'Our hotel is in a prime location...' What does the word 'prime' mean?
$\qquad$
$\qquad$
$\qquad$

# Spot Mr Whoops' Mistakes 

Mr Whoops is a little bit clumsy...OK, he's very clumsy! Even though he's really trying hard with his writing, he's still accidentally misspelt 13 of his Y6 key spelling words. Can you spot his mistakes?

Highlight Mr Whoops' mistakes in the passage of text.
Then correct the words at the bottom of the sheet and create a list for Mr. Whoops to practise.

## Mr Whoops Wins First Prize

Last week, I entered a photography competision in my local newspaper.
I was desparate to win because the marvelous prize was some new, state-of-the-art equiptment. As a very keen amituer photographer, I was determined to win. The task was to take a photograph in my local enviroment to cumminicate the beauty and history of my hometown of Whoopsville. I decided to take a photograph of the war memorials that commemorate the brave soljers that gave their lives in battle at my local cematary. My first attempt at getting a picture was disastrious because I got caught up in an agressive thunder and lighting storm. But once the rain had ceased, I managed to get an excellant shot of a gravestone surrounded in poppies with a glorious sunny backdrop. They must have loved it - I won first prize!

## Mr. Whoops needs to practise these words:

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Thanks for your help! I'll get practising these words if only I could find where I'd left my pencil!

## Quick Write: Space

## Name It

Give this photograph a title.

## Quote it

Write one line of correctly punctuated speech from a spectator in the crowd.
$\qquad$

## Collecting Vocabulary

Write down six ambitious words to describe this picture.


## Give Your Opinion

Would you like to travel into space? Give a reason for your answer that includes the word 'as'.
$\qquad$
$\qquad$
$\qquad$

## Opening Lines

Write the opening to a story based on the photograph.

## Second World War Word Search


$a \quad n \quad d \quad e \quad r \quad s \quad o \quad n \quad h \quad e \quad l \quad t \quad e \quad r$ $r \quad e \quad m \quad b \quad r \quad h \quad l \quad i \quad b \quad l \quad c \quad a \quad k \quad d \quad a$ $h \quad c \quad h \quad u \quad r \quad c \quad h \quad i \quad l \quad l \quad c \quad p \quad a \quad t$
la tm en te st $v=k \quad y \quad i$
$a \quad l \quad l \quad o \quad t \quad m \quad e \quad n \quad t \quad t \quad o \quad v a c$
$y \quad l \quad m \quad b \quad e \quad e \quad v a d d y \quad u \quad a \quad s \quad n$
si cr i e vac u a te di

$s \quad s \quad k \quad c \quad o \quad n \quad s \quad c \quad r \quad i \quad p \quad t \quad e \quad d \quad g$

1. At the start of the Second World War, France and Poland were Great Britain's a $\qquad$ .
2. Victory in Europe Day is otherwise known as V $\qquad$ .
3. $R$ $\qquad$ was the limiting of food, clothing and petrol.
4. People turned their gardens into a $\qquad$ to grow their own vegetables.
5. Men between 18 and 41 years old were c $\qquad$ to fight.
6. Children were e $\qquad$ from cities to the countryside.
7. Windston C $\qquad$ became Prime Minister in 1940.
8. People wear poppies on $R$ $\qquad$
$\qquad$ .
9. One type of air raid shelter was called an a $\qquad$ .
10. The time of night when everyone had to cover their windows and doors was known as $a b$ $\qquad$ .

## The Missing Emojis: SPaG Problem-Solving Mystery Game

It's nearly Emoji Day and a catastrophe has occurred. All of the emojis have disappeared from everyone's mobile phones! Who would take all of the emojis just before Emoji Day? The culprit needs to be found and the emojis must be returned so that the celebrations can continue.

As the Detective Chief Inspector, it is your job to find out who stole the emojis. Your officers have taken down the names and descriptions of the 20 people who were working in the mobile phone factory last night.

There are also five top secret clues that have been left. To crack the case, you will need to solve each clue and check the information with the list of names.


Can you find the emojis in time? Good Luck!

The Missing Emojis: SPaG Problem-Solving Mystery Game

| Worker's Name | Do They Wear Glasses? | Favourite Emoji | Type of Shoes | Favourite Snack | House Number |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Archie Anger | yes | Poorly | trainers | chocolate | 2 |
| Barty Blithe | yes | Happy | smart shoes | biscuits | 6 |
| Briana Blue | no | Confused | smart shoes | chocolate | 20 |
| Carly Content | no | Angry | smart shoes | crisps | 22 |
| Constance Confused | no | Happy | trainers | crisps | 7 |
| Craig Cry | yes | Confused | smart shoes | chocolate | 4 |
| Frederick Fine | yes | Happy | trainers | biscuits | 25 |
| Gloria Glee | no | Poorly | smart shoes | biscuits | 2 |
| Geraint Grieve | yes | Poorly | trainers | crisps | 28 |
| Hayley Happy | no | Confused | smart shoes | chocolate | 4 |
| Jonty Joy | yes | Angry | smart shoes | chocolate | 30 |
| Meredith Merry | no | Poorly | trainers | crisps | 32 |
| Petr Peace | yes | Confused | smart shoes | biscuits | 1 |
| Penelope Pity | no | Angry | trainers | crisps | 9 |
| Roger Relaxed | yes | Angry | smart shoes | crisps | 10 |
| Sammy Sad | no | Happy | trainers | biscuits | 19 |
| Serena Serene | no | Happy | trainers | biscuits | 11 |
| Siobhan Sorrow | no | Confused | smart shoes | chocolate | 5 |
| Sean Surprise | yes | Confused | smart shoes | chocolate | 10 |
| Trevor Tense | yes | Confused | smart shoes | crisps | 36 |

## The culprit was:

$\square$


## Clue 1: Formal or Informal Footprints?

Decide whether each word or phrase in each footprint uses vocabulary typical of formal or informal writing and sort it under the correct pair of shoes.

Whichever pair of shoes has the most words or phrases will tell you the type of shoe print that was discovered outside the emoji room at the factory.


The Missing Emojis: SPaG Problem-Solving Mystery Game


## Clue 2: Silly Synonyms

The emoji factory is always trying to think of the next hit emoji idea so the room is filled with sticky notes covered with synonyms.

Find which emoji has the most synonyms and this will reveal the culprit's favourite emoji.


## Clue 3: Prefix Packets

An empty snack packet was found outside the emoji room.
Match the words to the correct prefix to form a verb.
Some of the words can go with more than one prefix.
The prefix with the most words will reveal which packet was found and show the culprit's favourite snack.


The prefix with the most words is: $\qquad$ so the culprits favourite snack must be: $\qquad$


## Clue 4: Eye-Spy the Culprit!

Find your way through this maze of statutory spelling words. By following the path (vertically or horizontally) of correctly spelt words, you will find out whether the culprit wears glasses or not.

Start

| immediate | stumach | lightnning | imediate | comittee | disasterous | queeu |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| foreign | sugest | lesiure | equipp | muscle | indevidual | desprate |
| restaurant | bargin | orkward | mischevious | sinsere | discionary | familliar |
| recommend | persuade | programme | determined | especially | hindrance | develope |
| curiousity | acording | sacrifise | concence | contraversy | forty | explaination |
| communicate | system | yacht | shoulder | rhythm | equipment | embarass |
| variety | recoggnise | suficient | rhime | signiture | convinience | bruize |
| neighbour | frequently | correspond | cemetery | relevant | nuisence | marvelous |
| vegtable | proffession | consious | twelth | prejudice | anscient | phisycal |
| achieve | equipt | vehical | acompany | immature | symbol | average |
| pronunsiation | exagerate | garantee | secretery | identtity | neccessary | parliament |
| privilige | temperature | critisize | langwage | apparent | availible | excellent |
| thorough |  | harass |  | community |  | occupy |

The culprit $\qquad$ glasses.


## Clue 5: Terrible Texting

The factory owner has been sent a text message from the worker who deleted the emojis! The thief has made lots of mistakes and missed the punctuation to mark the boundaries between independent clauses (semi-colons, colons or dashes).

Circle the mistakes and then write the corrections below. The number of errors will show the house number of the culprit.

missing boundaries between independent
$\qquad$ —.

There are $\qquad$ clauses, so the thief's house number is

