



**ROYAL NAVY**

# **Classroom Activities Booklet**

*Version 1 - 2023*

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# INTRODUCTION



**This booklet contains some simple, classroom-based activities and brain teasers to get your participants thinking. These will:**

- help individuals to get to know each other and feel comfortable
- encourage the use of communication skills
- create a good atmosphere for learning to take place
- encourage cooperation and working together
- help new members integrate into the group
- break people out of their usual cliques
- encourage listening to one another
- help develop social skills

**These activities are predominantly geared towards primary school aged children (10-11yrs); however, if adapted slightly, content may be appropriate for older participants also.**

# ACTIVITIES

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# 001 – ANAGRAM

Can you solve these Royal Navy themed anagrams?

1. **Ferrari Ricca Rat**

Clue: Planes can take off and land on this...

2. **Anymore Rails**

Clue: Soldiers of the sea...

3. **Barn Misuse**

Clue: Uses sonar to see...

4. **Oly Van Ray**

Clue: This was created by Henry VIII 1546...

5. **Let Rip Echo**

Clue: Merlins and Wildcats are types of these...

6. **Theft Rejig**

Clue: The fastest thing in the Royal Navy...

7. **Goat In Navi**

Clue: This is how you get from point A to point B...

8. **Crayon Picture**

Clue: This is what the Royal Navy do to stop smugglers and thieves...

9. **A Main Hair Nut**

Clue: This is a type of aid the Royal Navy can offer after a natural disaster...

10. **Ship Aim Bou**

Clue: When military forces land from the sea...

# 002 – BASKET

## Brief Description

This exercise asks the participants to create words that begin and end with specific letters. This icebreaker is effective at any time during the learning program.

## Learning Objectives

This activity is based on fun and removing barriers.

## Resources

For each participant a pencil and a piece of paper with the word “basket” written on it in both correct and reverse orders.

B T

A E

S K

K S

E A

T B

**Time Limit: 10 – 15 mins**

**Group Size: 6+**

## Procedure

1. The group leader then explains that the participants are to form words that begin and end with the letters that are across from each other. For example: The first letters across are “B” and “T, for example:

2. BeeT.”
3. The longer the word the better. For example:
4. “BeeT” is better than “BaT”.
5. When group members have all formed words from each of the letter combinations across, the trainer solicits a volunteer to share his or her words with the entire group.
6. The exercise continues until all participants have shared their words.
7. The participant who uses the most letters in creating his or her words is declared the winner.

## **Variations**

The trainer may request that the participants form pairs. The partners then compete against each other, with one point awarded to the person who forms the longest word for each letter.

The group leader may divide the participants into two teams that are to compete against each other to form the longest word for each letter combination.

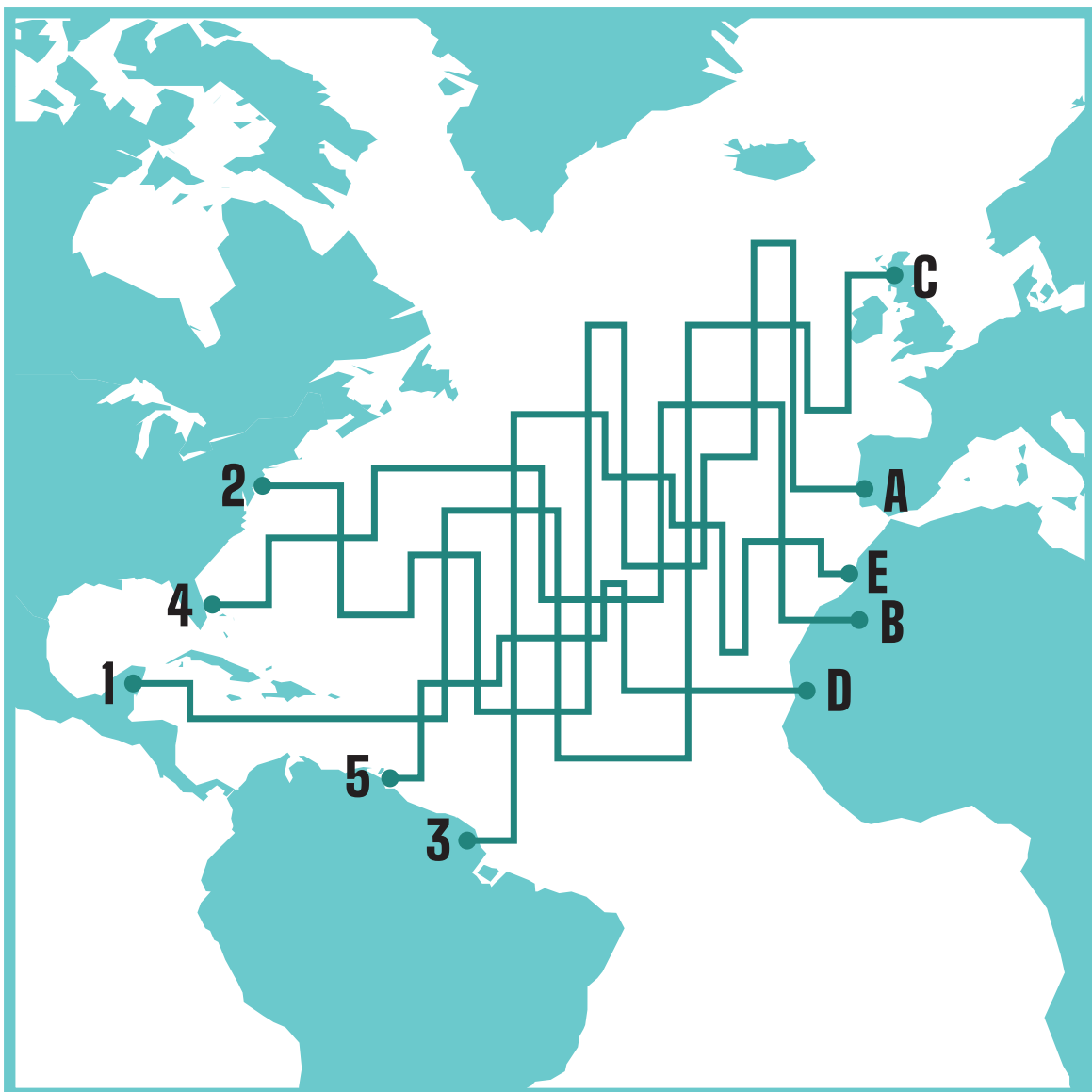
# 003 – CABLES

## Introduction

Under the world's oceans and seas there are thousands of miles of underwater cables. These cables provide more than 97% of all data we receive here in the UK. It is one of the Royal Navy's jobs to ensure the protection of these vital cables.

## Task

Can you follow the cables from their starting point and match them to their correct finish point?



# 004 – CROSSWORD

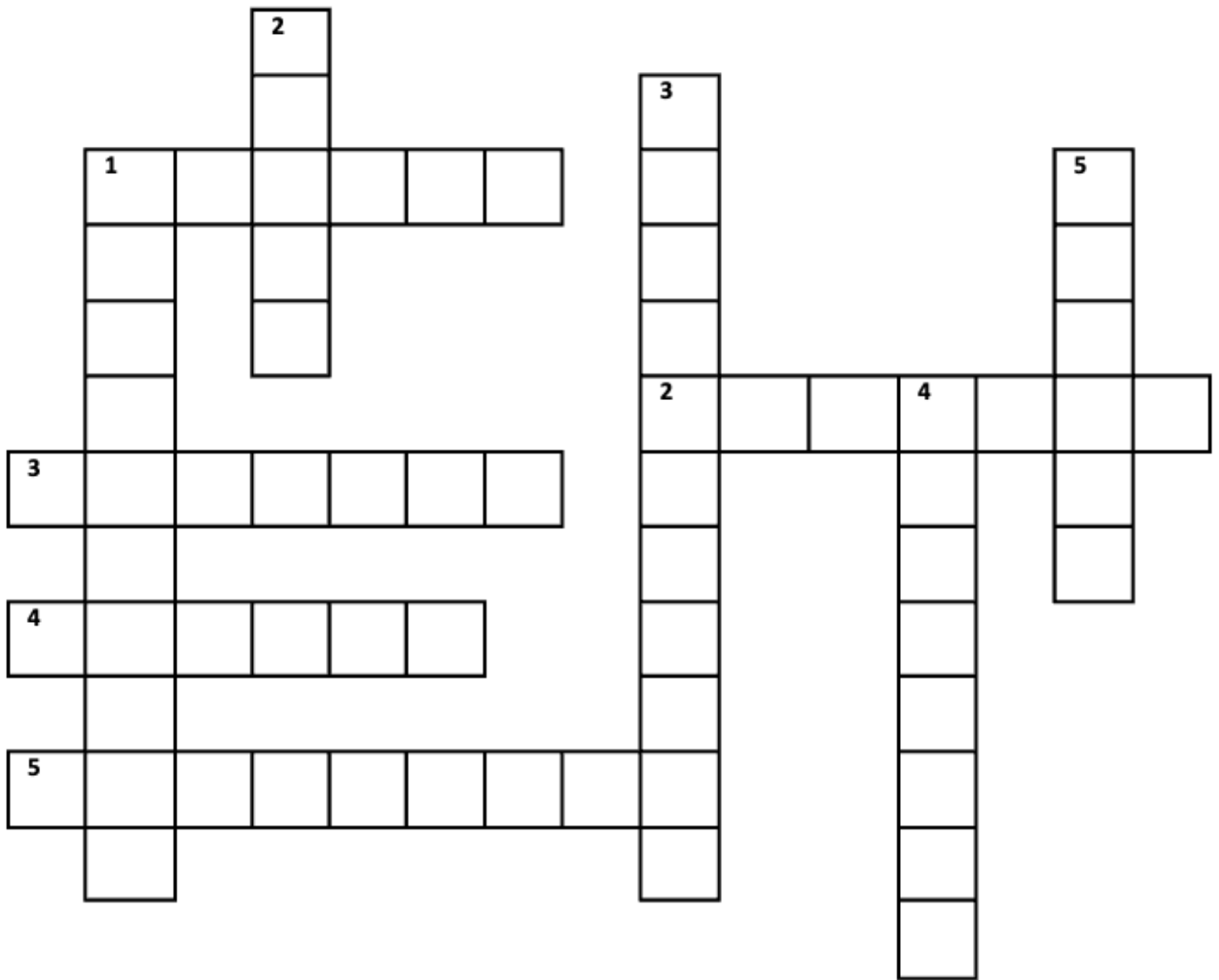
Can you solve this Royal Navy based crossword?

## Down

1. These boats go under the water...
2. The Royal Navy set sail in these...
3. These are the Royal Navy's eyes in the sky...
4. If on patrol in the Antarctic onboard HMS Protector, you may see some of these...
5. The Royal Navy's most celebrated leader? They have a column named after them...

## Across

1. The name of a person serving in the Navy...
2. You use this to navigate...
3. This person is in charge of the ship...
4. These people smuggle and steal, which the Royal Navy tries to stop...
5. This is a type of ship protects the fleet from air attack...



# 005 – DESIGN A CREST

## **Brief Description**

This exercise asks the participants to design and draw a new ship's crest.

## **Learning Objectives**

This activity is based on fun and allowing creativity, whilst learning about the Royal Navy's fleet of ships.

## **Resources**

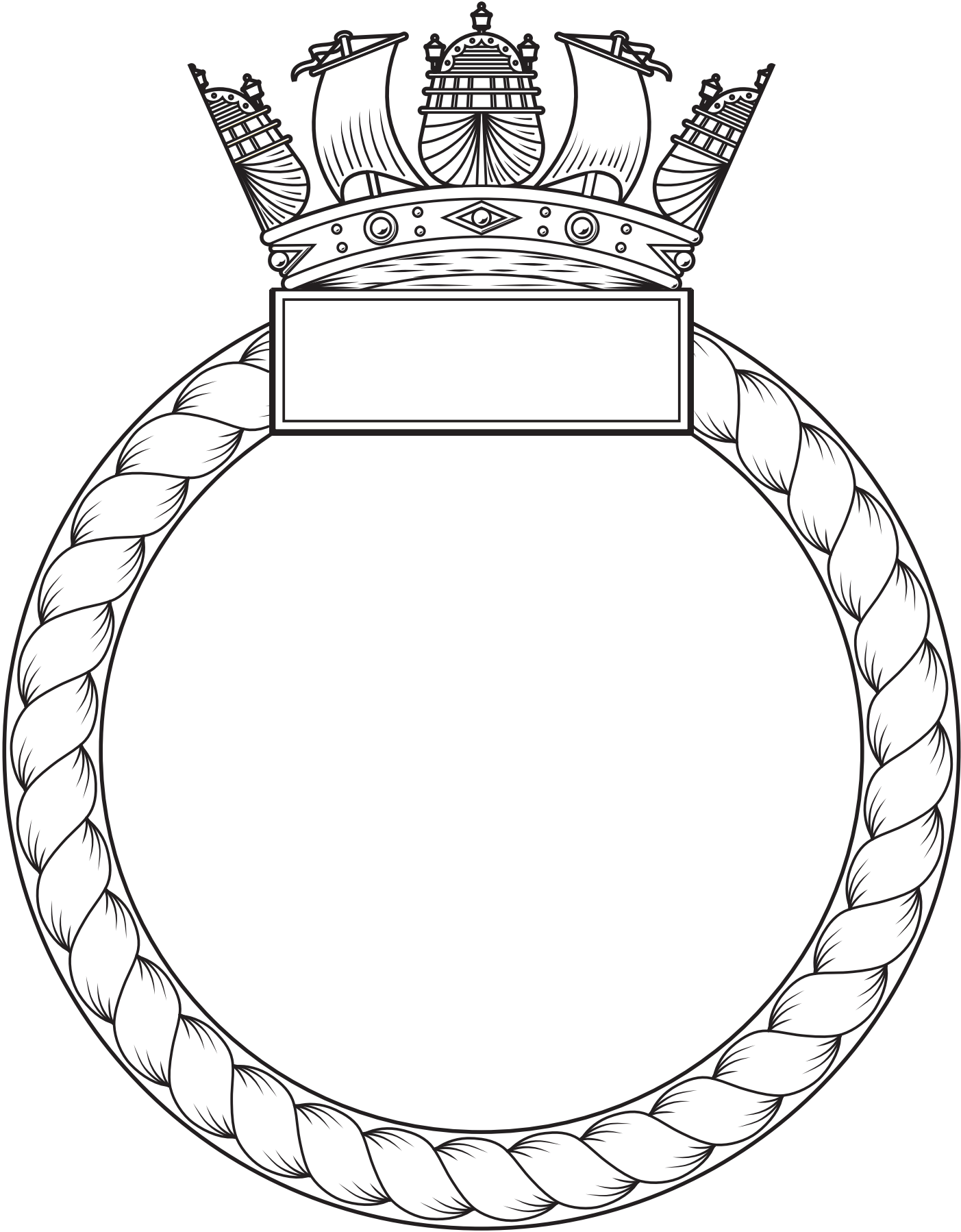
For each participant a pencil and a piece of paper with a photocopy of the crest outlines. See next page for the outline for printing and photocopying.

## **Time Limit: 15 mins**

## **Group Size: Individual**

## **Variations**

Participants could also look at designing a flag for their own imaginary country.



# 006 – DING BATS

Can you figure out these word puzzles?

**SGEG**

**Mad  
Mad U Mad  
Mad**

**GIVE GET GIVE GET  
GIVE GET GIVE GET**

**NOON GOOD**

**B  
BOW  
W**

**R  
O  
ROADS  
D  
S**

# 007 – ESP CHALLENGE

## Brief Description

A clever use of arithmetic, involving a group who will think you are a mathematical genius.

## Learning Objectives

This is a quick demonstration to attract and focus a group's attention on you.

## Resources

- Flipchart, whiteboard of some similar display board
- Pen
- Piece of card

## Time Limit: 5 mins

## Group Size: N/A

## Procedure

1. Ask for a volunteer to assist you. Explain that you are going to foretell the results of an arithmetic exercise by the virtue of Extra Sensory Perception (ESP).
2. Position yourself anywhere that you cannot see what the volunteer is going to write. Ask the volunteer to write on the flipchart etc any 3-digit number. (Note the number must not be a mirror image, eg 323). Then tell the person to reverse the number and subtract the lower number from the higher one. Eg:  $821 - 128 = 693$
3. Now reverse this number and add them together, so:  $693 + 396 = 1089$
4. As the volunteer completes the calculation, hold up a prepared card on which you had previously written the number 1089. (Note, this exercise will always result in the number 1089).
5. On occasion, the initial subtraction will yield a 2-digit number. Eg:  $786 - 687 = 99$
6. In such a case, simply direct the volunteer to add a zero in front (99 changes to 099). Proceed as earlier indicated, so:  $099 + 990 = 1089$

# 008 – FLEXIBILITY TEST

## Brief Description

This exercise asks the participants to think creatively. This activity is effective at any time during the engagement activity.

## Learning Objectives

This activity is based on fun and removing barriers.

## Resources

None.

## Time Limit: 10 – 15 mins

## Group Size: Any

## Procedure

1. Examine each of the following clues and identify the familiar phrases or abbreviations. Example: 7 = D of the W (Days of the Week)

## Questions:

1. 360 = D in a C.
2. 200 = P for PG in M.
3. 24 = BBB in a P.
4. 15 = P in a RT.
5. 6 = S on a H.
6. 13 = a BD.
7. 52 = W in a Y.
8. 5 = B in the HP series.
9. 4 = Q in a W.
10. 6 = S on a C.

# 009 – HOW CANOE DO THAT?

## **Brief Description**

This exercise asks the participants to think creatively. This activity is effective at any time during engagement activity.

## **Learning Objectives**

This activity is based on fun and removing barriers. Encourage group discussion and strategy.

## **Resources**

None.

## **Time Limit: 10 – 15 mins**

## **Group Size: Any**

## **Procedure**

1. You are at a river. With you are a chicken, a bag of grain, and a wolf.
2. You have to cross the river in your canoe but can take only one with you at a time.
3. You can't leave the chicken with the grain – they will eat it!
4. You can't leave the wolf with the chicken – they will eat it!
5. How do you get everything over and intact?
6. You have to formulate a plan and one attempt to complete the exercise.

## **Discussion**

- What, if any plan was discussed?
- Who came up with ideas?
- What was decided?
- Was the plan a success? If not, why not?
- What can we take away from this challenge?

# 010 – LUCKY DIP

## Brief Description

This exercise asks the participants to think creatively. This icebreaker is effective at any time during the learning program.

## Learning Objectives

This activity is based on fun and removing barriers.

## Resources

None.

## Time Limit: 10 – 15 mins

## Group Size: Any

## Questions

1. When can you add two to eleven and get one?
2. If you turn your right-handed glove inside out and put it on your left hand, where will the palm of the glove be on your left hand.
3. Here on Earth, it's almost always true that tomorrow will follow today. Yet there is a place where yesterday always follows today. Where is this place
4. A man was outside taking a walk when it began to rain. He did not have an umbrella and he wasn't wearing a hat. His clothes were soaked, yet not a single hair on his head got wet. How could this happen?
5. The amount of water flowing into a tank doubles every minute. The tank is full in half an hour. When was the tank half full?
6. I am a path between two mountains. Take away my first letter and you leave a path situated between two buildings. What am I?
7. As I went across the bridge, I met a man with a load of wood which was neither straight nor crooked. What kind of wood was it?
8. The Pope has it but he does not use it. Your father has it, but your mother probably uses it too. Nuns do not have it, neither does Madonna. What is it?

# 011 – L SHAPED PUZZLE

Print, laminate, and cut out the L shapes. The challenge is to place all four together, interlinked, to form a square.



# 012 – SIX STICKS

## Procedure

1. Issue each group with a set of six sticks (eg poles, match sticks, any size will do).
2. Challenge each group to lay out the sticks to make:
  - One triangle
  - Two triangles
  - Three triangles
  - Four triangles
  - Six triangles
  - Eight triangles
3. All sticks must be used.

# 013 – SPOT THE DIFFERENCE 1

Can you find 8 differences in this picture of the Surface Fleet?



# 014 – SPOT THE DIFFERENCE 2

Can you find 8 differences in this picture of the Fleet Air Arm?



# 015 - SPOT THE DIFFERENCE 3

Can you find 8 differences in this picture of the Submarine Service?



# 016 - SPOT THE DIFFERENCE 4

Can you find 8 differences in this picture of the Royal Marines?



# 017 – TRUE STATEMENTS

How many of these statements are true?

1. Exactly one of these statements is false.
2. Exactly two of these statements are false.
3. Exactly three of these statements are false.
4. Exactly four of these statements are false.
5. Exactly five of these statements are false.
6. Exactly six of these statements are false.
7. Exactly seven of these statements are false.
8. Exactly eight of these statements are false.
9. Exactly nine of these statements are false.
10. Exactly ten of these statements are false.

# 018 – WORD SEARCH 1

Core Values of the Royal Navy & Royal Marines:

1. Courage
2. Commitment
3. Discipline
4. Respect
5. Integrity
6. Loyalty
7. Determination
8. Humility
9. Unselfishness
10. Cheerfulness
11. Excellence

Y	W	U	N	S	E	L	F	I	S	H	N	E	S	S
T	D	J	L	E	X	C	E	L	L	E	N	C	E	Y
L	H	E	H	S	C	T	O	A	E	T	I	P	S	S
A	C	G	H	U	M	I	L	I	T	Y	N	K	S	O
Y	O	J	I	T	Y	N	D	F	A	S	T	U	E	I
O	U	W	R	T	O	E	S	S	A	E	E	E	N	T
L	R	E	S	P	E	C	T	S	P	N	G	A	L	N
O	A	R	I	T	Y	N	E	S	S	O	R	D	U	E
Y	G	P	I	R	U	V	B	A	C	I	I	F	F	M
A	E	C	H	E	R	N	E	F	P	T	T	P	R	T
T	R	T	H	J	K	L	A	S	D	R	Y	N	E	I
D	E	T	E	R	M	I	N	A	T	I	O	N	E	M
S	E	F	A	P	J	M	N	A	T	C	D	O	H	M
D	I	S	C	I	P	L	I	N	E	H	N	L	C	O
E	N	E	S	S	I	T	Y	M	T	I	P	M	O	C

# 019 – WORD SEARCH 2

Ships and Assets of the Royal Navy & Royal Marines:

1. Wildcat
2. Queen Elizabeth
3. Destroyer
4. Frigate
5. Merlin
6. Dreadnought
7. Submarine
8. Helicopter
9. Viking
10. Fighter Jet
11. Dragon
12. F Thirty Five (F-35)

D	W	I	L	D	C	A	T	I	S	F	N	E	S	S
E	D	J	L	E	Y	H	E	H	L	I	T	C	D	Y
S	U	E	X	C	E	L	O	A	E	G	H	P	R	S
T	C	G	F	R	I	G	A	T	E	H	E	K	E	H
R	D	J	I	T	Y	N	D	F	A	T	L	U	A	E
O	R	W	R	T	O	E	S	V	A	E	I	E	D	L
Y	A	E	S	U	B	M	A	I	P	R	C	A	N	I
E	G	J	I	T	Q	U	E	K	S	J	O	D	O	C
R	O	S	U	B	M	A	R	I	N	E	P	F	U	O
A	N	R	I	T	Y	N	E	N	S	T	T	P	G	P
T	R	T	H	J	K	L	A	G	D	R	E	N	H	T
Q	U	E	E	N	E	L	Z	A	B	E	T	H	T	E
F	T	H	I	R	T	Y	F	I	V	E	D	O	H	R
D	I	S	M	E	R	L	I	N	E	H	N	L	C	O
E	D	E	S	T	R	Q	Y	E	P	R	E	G	O	N

# ANSWERS

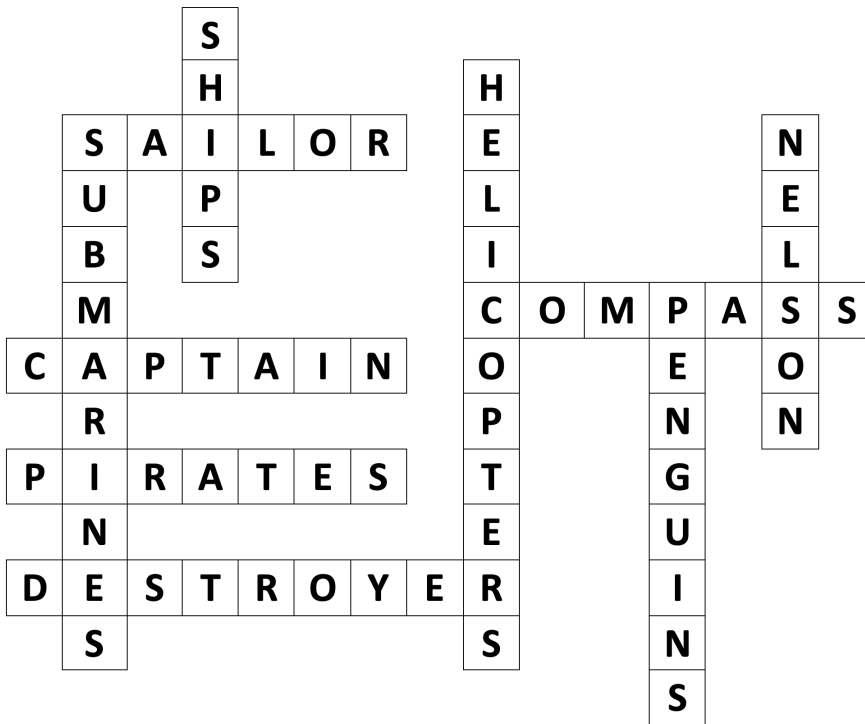
## **001 - Anagram:**

1. Aircraft Carrier
2. Royal Marines
3. Submarine
4. Royal Navy
5. Helicopters
6. Fighter Jet
7. Navigator
8. Counterpiracy
9. Humanitarian
10. Amphibious

## **003 - Cables:**

1. = C
2. = A
3. = E
4. = B
5. = D

## 004 - Crossword:



### Down

1. These boats go under the water... Submarines
2. The Royal Navy set sail in these... Ships
3. These are the Royal Navy's eyes in the sky... Helicopters
4. If on patrol in the Antarctic onboard HMS Protector, you may see some of these... Penguins
5. The Royal Navy's most celebrated leader? They have a column named after them... Nelson

### Across

1. The name of a person serving in the Navy... Sailor
2. You use this to navigate... Compass
3. This person is in charge of the ship... Captain
4. These people smuggle and steal, which the Royal Navy tries to stop... Pirates
5. This is a type of ship protects the fleet from air attack... Destroyer

## 007 - Dingbats

1. Scrambled Eggs
2. Mad about you
3. Forgive and Forget
4. Good Afternoon
5. Crossbow
6. Crossroad

## 008 - Flexibility Test

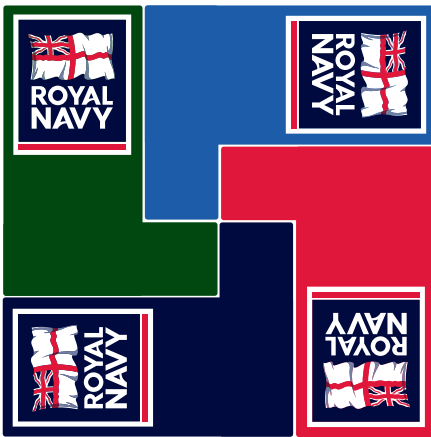
1. 360 = D in a C. Degrees in a circle
2. 200 = P for PG in M. Pounds for passing go in Monopoly
3. 24 = BBB in a P. Black birds baked in a Pie
4. 11 = P in a FT. Players in a football team
5. 6 = S on a H. Sides on a Hexagon
6. 13 = a BD. Baker's dozen
7. 52 = W in a Y. Weeks in year
8. 5 = B in the HP series. Books in Harry Potter series.
9. 4 = Q in a W. Quarters in a whole
10. 6 = S on a C. Sides on a cube.

## 010 - Lucky Dip

1. When you add the hours on a clock.
2. The palm of the glove will be against your left hand.
3. In a dictionary.

4. The man was bald.
5. At 29 minutes.
6. A valley. Take away the V and I am an Alley.
7. Sawdust
8. A last name

### 011 - L Shaped Puzzle



### 012 - Six Stacks



1 Triangle

(One laid on top of the other)



2 Triangles



3 Triangles



4 Triangles



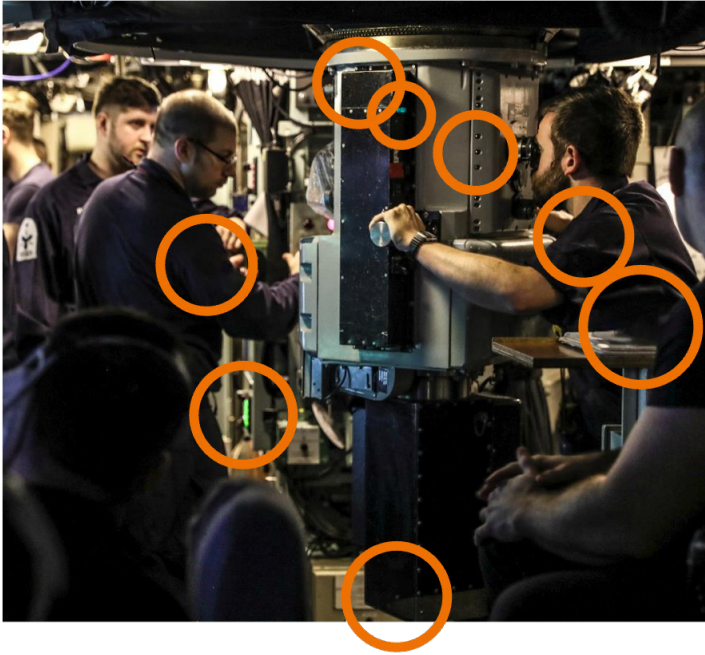
6 Triangles



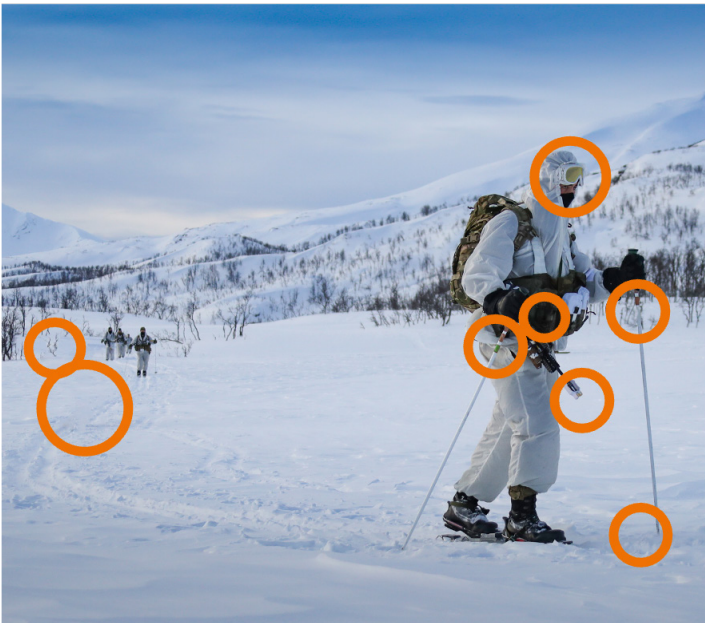
8 Triangles



### 015 - Spot the Difference 3



### 016 - Spot the Difference 4



### 017 - True Statements

Answer: Number 9. Exactly 9 of these statements are false.

Reasoning: That statement is true, therefore the other 9 are not.

## 018 - Word Search 1:

Y	W	U	N	S	E	L	F	I	S	H	N	E	S	S
T	D	J	L	E	X	C	E	L	L	E	N	C	E	Y
L	H	E	H	S	C	T	O	A	E	T	I	P	S	S
A	C	G	H	U	M	I	L	I	T	Y	N	K	S	O
Y	O	J	I	T	Y	N	D	F	A	S	T	U	E	I
O	U	W	R	T	O	E	S	S	A	E	E	E	N	T
L	R	E	S	P	E	C	T	S	P	N	G	A	L	N
O	A	R	I	T	Y	N	E	S	S	O	R	D	U	E
Y	G	P	I	R	U	V	B	A	C	I	I	F	F	M
A	E	C	H	E	R	N	E	F	P	T	T	P	R	T
T	R	T	H	J	K	L	A	S	D	R	Y	N	E	I
D	E	T	E	R	M	I	N	A	T	I	O	N	E	M
S	E	F	A	P	J	M	N	A	T	C	D	O	H	M
D	I	S	C	I	P	L	I	N	E	H	N	L	C	O
E	N	E	S	S	I	T	Y	M	T	I	P	M	O	C

1. Courage
2. Commitment
3. Discipline
4. Respect
5. Integrity
6. Loyalty
7. Determination
8. Humility
9. Unselfishness
10. Cheerfulness
11. Excellence

## 019 - Word Search 2:

D	W	I	L	D	C	A	T	I	S	F	N	E	S	S
E	D	J	L	E	Y	H	E	H	L	I	T	C	D	Y
S	U	E	X	C	E	L	O	A	E	G	H	P	R	S
T	C	G	F	R	I	G	A	T	E	H	E	K	E	H
R	D	J	I	T	Y	N	D	F	A	T	L	U	A	E
O	R	W	R	T	O	E	S	V	A	E	I	E	D	L
Y	A	E	S	U	B	M	A	I	P	R	C	A	N	I
E	G	J	I	T	Q	U	E	K	S	J	O	D	O	C
R	O	S	U	B	M	A	R	I	N	E	P	F	U	O
A	N	R	I	T	Y	N	E	N	S	T	T	P	G	P
T	R	T	H	J	K	L	A	G	D	R	E	N	H	T
Q	U	E	E	N	E	L	Z	A	B	E	T	H	T	E
F	T	H	I	R	T	Y	F	I	V	E	D	O	H	R
D	I	S	M	E	R	L	I	N	E	H	N	L	C	O
E	D	E	S	T	R	Q	Y	E	P	R	E	G	O	N

1. Wildcat
2. Queen Elizabeth
3. Destroyer
4. Frigate
5. Merlin
6. Dreadnought
7. Submarine
8. Helicopter
9. Viking
10. Fighter Jet
11. Dragon
12. F Thirty Five (F-35)

