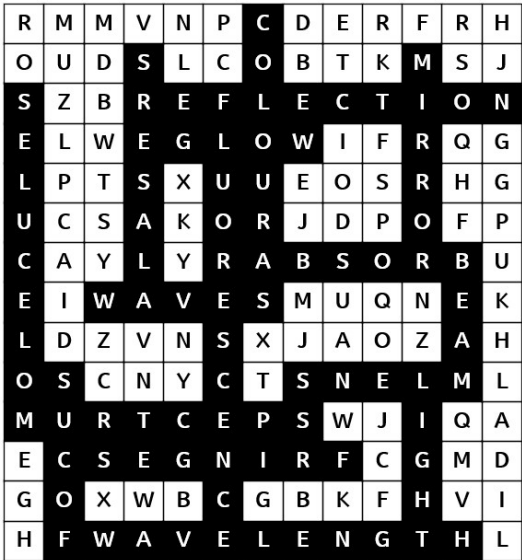


# Answers

2



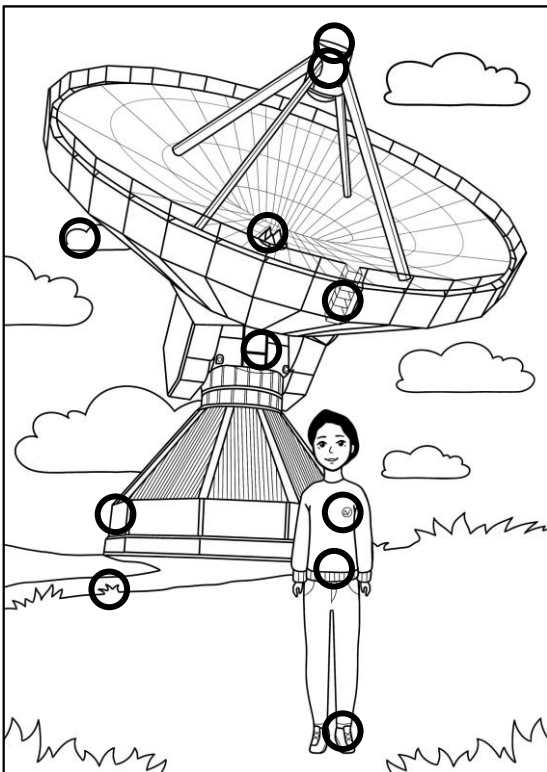
4

1A 2A 3B

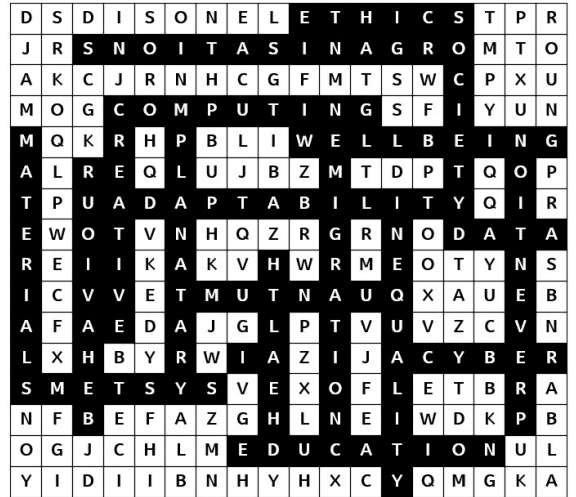
5

C1 = Business & Economics  
 C2 = Sociology & Politics  
 C3 = Philosophy & Law  
 Education (C3), Learning (C1)  
 & Communication (C2)

6



7



10

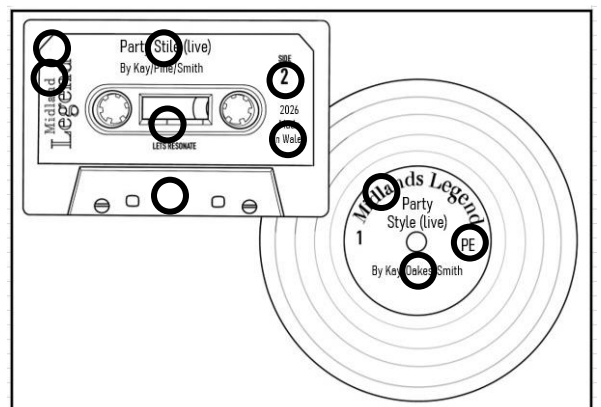
	16	8	4	2	1		16	8	4	2	1		16	8	4	2	1
A=1	0	0	0	0	1	J=10	0	1	0	1	0	S=19	1	0	0	1	1
B=2	0	0	0	1	0	K=11	0	1	0	1	1	T=20	1	0	1	0	0
C=3	0	0	0	1	1	L=12	0	1	1	0	0	U=21	1	0	1	0	1
D=4	0	0	1	0	0	M=13	0	1	1	0	1	V=22	1	0	1	1	0
E=5	0	0	1	0	1	N=14	0	1	1	1	0	W=23	1	0	1	1	1
F=6	0	0	1	1	0	O=15	0	1	1	1	1	X=24	1	1	0	0	0
G=7	0	0	1	1	1	P=16	1	0	0	0	0	Y=25	1	1	0	0	1
H=8	0	1	0	0	0	Q=17	1	0	0	0	1	Z=26	1	1	0	1	0
I=9	0	1	0	0	1	R=18	1	0	0	1	0						

Shape, Future, Technology, Industry and Society

11

Two Solid Gold Roman Coins	One Solid Gold Medieval Brooch	Solid Silver Anglo Saxon Cross	One Solid Gold Roman Coin
+	+	+	+
Landowner of the Farm	Metal detectorist (without permission to be on the land)	Archaeologist	Landowner of the Farm
Treasure	Not Treasure	Treasure	Not Treasure
Likely	Unlikely	Likely	Unlikely
Keep it	Goes to museum	Keep it	Goes to museum

12



# Answers

- 14**
- |               |           |       |
|---------------|-----------|-------|
| Boiling:      | Water     | 100   |
| Melting:      | Aluminium | 660   |
| Density:      | Gold      | 19.32 |
| Thermal Cond: | Copper    | 401   |
| Tensile Str:  | Rigid PVC | 40    |
| Elec. Cond:   | Silver    | 62    |

- 15**
- C1 = Ancient Coins  
 C2 = History of the Book  
 C3 = Renaissance

- 17** This answer can only be shown online because it needs colour!

**19**

A	Á	A	Á	D	Ó	X	E	Ü	B	E	A	D	E	A
P	N	I	Á	H	C	O	Í	S	Ñ	E	Á	A	O	K
E	S	O	M	E	C	J	T	R	P	A	C	E	I	C
A	Ó	G	T	F	K	E	X	I	U	E	I	P	M	I
C	P	H	S	P	I	H	C	W	D	D	E	H	S	C
E	R	A	G	U	R	H	P	I	W	H	R	J	T	C
R	C	Ñ	A	N	A	A	N	H	C	K	A	E	A	A
A	P	P	Í	Á	A	Z	A	R	Á	É	P	A	I	X
H	E	T	H	Ó	M	P	I	A	H	P	A	A	K	A
R	K	R	A	A	A	E	K	É	B	A	E	I	A	P
G	O	D	U	U	N	A	B	C	Ó	R	P	Á	C	K
I	N	E	D	E	I	R	F	A	Z	I	I	Í	D	H
D	D	K	I	P	N	A	P	D	K	S	E	Í	D	I
O	Z	Á	K	C	O	D	Ñ	A	E	Z	A	P	E	Ó
Á	T	I	K	I	A	C	T	P	J	Ó	K	O	P	

- 21** 1B 2D 3C 4A

**22** 61 squares

69 squares

73 squares

- Classics: Pick up (+3m<sup>3</sup>)  
 Medicine: Pick up (+6m<sup>3</sup>)  
 Physics: Drop off (-6m<sup>3</sup>) and pick up (+5m<sup>3</sup>)  
 Law: Drop off (-3m<sup>3</sup>)  
 Engineering: Drop off (-5m<sup>3</sup>)  
 Design: Pick up (+7m<sup>3</sup>)  
 Engineering: Drop off (-7m<sup>3</sup>)

**23**

G	A	C	G	A	A	C	G	T	G	A	C
C	C	G	T	T	T	A	A	A	T	C	C
T	C	G	G	T	T	T	A	C	G	C	G
G	C	C	C	A	C	G	A	C	C	C	T
T	G	A	A	T	C	A	A	T	G	A	T
T	G	A	A	C	G	G	G	G	G	C	C
C	C	A	A	C	G	C	C	T	G	G	C
A	G	G	A	A	A	A	G	C	G	A	C
A	G	G	A	C	G	T	A	C	T	C	A
T	T	T	G	G	G	G	C	G	T	C	A
G	G	T	T	G	G	T	T	T	T	C	T

Missing a frog