Puzzle sheet

1 Sudoku

Medium ■■□

6	1		5	3		7		
	4	8	2				6	
	9				8			
4					6		5	
	7		3					2
			9				3	
	6				3	1	8	
		9		5	1		2	4

Fill every empty square so that each row, each column and each 3×3 box holds the digits 1 to 9 once.

2 Word search: Breakfast

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

☐ **BACON** ☐ **COFFEE** ☐ **FRUIT**
☐ **HONEY** ☐ **MILK** ☐ **PORRIDGE**
☐ **TOAST** ☐ **WAFFLE** ☐ **YOGURT**

Find the nine words. They run across, down and diagonally, always forwards.

3 Mini mystery

CASE FILE

The Missing Cue

Chloe, Amara and Ines were at the dress rehearsal of the school play. Each waited in a different place and held one prop.

1. Amara did not have the torch.
2. Amara was in the dressing room.
3. Chloe was not in the lighting box.
4. The paper fan was not in the lighting box.
5. Amara did not have the paper fan.

The curtain went up late because someone in the front row was busy with the paper fan and missed the cue. **Who was in the front row with the paper fan?**

	Lighting box	Dressing room	Front row	Top hat	Paper fan	Torch
Chloe						
Amara						
Ines						
Top hat						
Paper fan						
Torch						

Each person was in one place with one thing, all different. Mark a dot for yes and a cross for no in the grid until only one answer fits.

4 Quiz: five questions

1. **Which of these is the longest?**
   - (A) Concorde
   - (B) Handball court
   - (C) International Space Station
2. **Which of these came first?**
   - (A) Nickel
   - (B) British Museum
   - (C) Trevi Fountain
   - (D) Flamsteed House (Greenwich)
3. **How long is a Space Shuttle external propellant tank?**
   - (A) About 23 m
   - (B) About 47 m
   - (C) About 94 m
   - (D) About 190 m
4. **What is the capital of Peru?**
   - (A) Bogotá
   - (B) Montevideo
   - (C) Asunción
   - (D) Lima
5. **Which of these cities is furthest north?**
   - (A) Honiara (Solomon Islands)
   - (B) La Paz (Bolivia)
   - (C) Santiago (Chile)
   - (D) Sucre (Bolivia)

Circle one letter for each. Answers and sources on page 2.

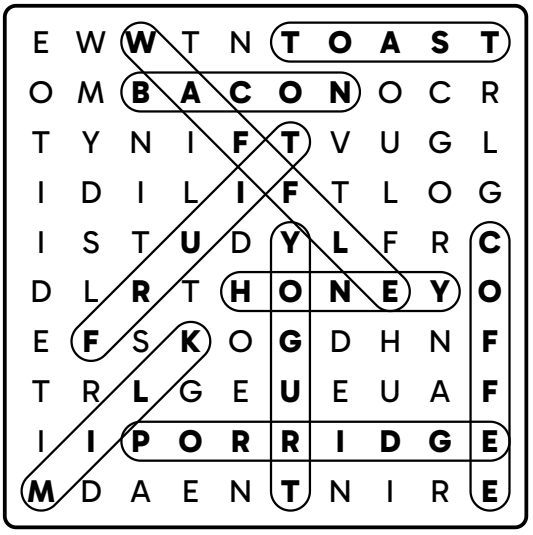
Answers

1 Sudoku

6	**1**	2	**5**	**3**	4	**7**	9	8
5	**4**	**8**	**2**	9	7	3	**6**	1
3	**9**	7	6	1	**8**	2	4	5
4	2	1	7	8	**6**	9	**5**	3
8	5	3	1	2	9	4	7	6
9	**7**	6	**3**	4	5	8	1	**2**
1	8	4	**9**	6	2	5	**3**	7
2	**6**	5	4	7	**3**	**1**	**8**	9
7	3	**9**	8	**5**	**1**	6	**2**	**4**

Bold digits were printed on the puzzle.

2 Word search: Breakfast



Each word is ringed and set in bold.

3 Mini mystery

SOLVED

The Missing Cue

	Lighting box	Dressing room	Front row	Top hat	Paper fan	Torch
Chloe	×	×	●	×	●	×
Amara	×	●	×	●	×	×
Ines	●	×	×	×	×	●
Top hat	×	●	×			
Paper fan	×	×	●			
Torch	●	×	×			

Chloe was in the front row with the paper fan.

Chloe: front row, paper fan
Amara: dressing room, top hat
Ines: lighting box, torch

4 Quiz

1. **C** · International Space Station: 109 m; Concorde: 61.7 m; Handball court: 40 m
   Size Duel. Sources: snl.no, enciklopedija.hr, wikidata.org, cits.wa.gov.au, dimensions.com, lex.dk, nasa.gov
2. **D** · Flamsteed House (Greenwich): 1676, completed; Nickel: 1751, discovered; British Museum: 1753, founded; Trevi Fountain: 1762, completed
   Older Than. Sources: periodic-table.rsc.org, nndc.bnl.gov, snl.no, lex.dk, treccani.it, enciklopedija.hr, sapere.it, wikidata.org, rmg.co.uk, historicengland.org.uk, physicstoday.aip.org
3. **B** · 46.9 m (to the nearest 0.1 m)
   Ballpark. Sources: jpl.nasa.gov, esa.int
4. **D** · Lima is the capital of Peru.
   Atlas Play Capitals. Sources: wikidata.org, naturalearthdata.com
5. **A** · Honiara (Solomon Islands): 9.4° S; La Paz (Bolivia): 16.5° S; Sucre (Bolivia): 19.0° S; Santiago (Chile): 33.4° S
   Further North?. Sources: wikidata.org, naturalearthdata.com

Sudoku and word search made with the Puzzle Desk engines; quiz facts from Size Duel, Older Than, Population Duel, Further North?, Ballpark and Atlas Play, each checked against the sources listed. Mystery written and checked by our puzzle generator: exactly one answer.

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