

Winter Olympics Code Breaker

Amazing Winter Olympic Stories

- In the 1988 Winter Olympics, Jamaica entered its first team in the bobsleigh, which was amazing as they had to practise without snow in Jamaica! It was such a great story that it inspired the 1993 film 'Cool Runnings'.
- From 1929 until 1988, Team GB had no ski jumpers; that was until Eddie 'The Eagle' Edwards came along in the 1988 Winter Olympics in Calgary, Canada. He came last but was a British ski jump record holder, going on to become a TV personality and stunt skier. In 2016, the film 'Eddie the Eagle' was released telling his story.
- Jayne Torvill and Christopher Dean are two of Team GB's most famous Winter Olympic stars, having won the gold medal in 1984 with their 'Bolero' ice dance. They were world champions three times, British Champions seven times and both have MBEs. They now underpin the TV show 'Dancing on Ice'.

Challenge

Solve the maths calculations on the following pages to spell out some Winter Olympic sports, the names of some Team GB athletes and locations of past Winter Olympics using the code below:

A	B	C	D	E	F	G	H	I	J	K	L	M
26	25	24	23	22	21	20	19	18	17	16	15	14

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
13	12	11	10	9	8	7	6	5	4	3	2	1

You might also want to find out:

- where the 2022 Winter Olympics will be held;
- how many different sports are included in the Winter Olympics;
- when snowboarding was first introduced to the Winter Olympics.



Winter Olympics Code Breaker

Sports Challenge

1.

	Answer	Letter
$48 \div 2$		
$18 \div 3$		
3×3		
5×3		
3×6		
$26 \div 2$		
$80 \div 4$		

Sport: _____

3.

	Answer	Letter
$64 \div 8$		
$32 \div 2$		
$66 \div 3$		
$45 \div 3$		
$44 \div 2$		
$49 \div 7$		
3×4		
$52 \div 4$		

Sport: _____

5.

	Answer	Letter
$60 \div 4$		
$36 \div 6$		
$40 \div 2$		
$88 \div 4$		

Sport: _____

2.

	Answer	Letter
3×7		
$36 \div 2$		
$60 \div 3$		
$30 \div 5$		
$27 \div 3$		
2×11		
$32 \div 4$		
2×8		
$52 \div 2$		
$77 \div 11$		
2×9		
$39 \div 3$		
4×5		

Sport: _____

4.

	Answer	Letter
$100 \div 4$		
2×6		
$50 \div 2$		
$56 \div 7$		
$75 \div 5$		
$(121 \div 11) \times 2$		
$54 \div 3$		
2×10		
$38 \div 2$		

Sport: _____

Winter Olympics Code Breaker

Team GB Athletes Challenge

1.

	Answer	Letter
$110 \div 10$		
$220 \div 10$		
1.3×10		
$130 \div 10$		
0.2×10		
$2400 \div 100$		
$1200 \div 100$		
0.12×100		
1.4×10		
$2200 \div 100$		
$80 \div 10$		

Athlete: _____

3.

	Answer	Letter
$1300 \div 100$		
0.18×100		
2.4×10		
$160 \div 10$		
$250 \div 10$		
0.06×100		
$240 \div 10$		
$1600 \div 100$		
0.15×100		
$260 \div 10$		
0.13×100		
0.23×100		

Athlete: _____

2.

	Answer	Letter
0.24×100		
2.6×10		
0.14×100		
$1400 \div 100$		
0.02×100		
0.08×100		
$140 \div 10$		
$180 \div 10$		
$70 \div 10$		
1.9×10		

Athlete: _____

4.

	Answer	Letter
1.5×10		
$1800 \div 100$		
0.01×100		
$100 \div 100$		
0.02×100		
$200 \div 100$		
0.26×100		
$900 \div 100$		
$13\ 000 \div 1000$		
$120 \div 10$		
0.015×1000		
$2300 \div 100$		

Athlete: _____

Winter Olympics Code Breaker Winter Olympic Locations

Crack the code to find the country and the year it hosted the Games.

$\frac{1}{10}$ of 10	$\frac{1}{9}$ of 81	$\frac{1}{8}$ of 64	$\frac{1}{4}$ of 16

$\frac{1}{4}$ of 32	$\frac{1}{10}$ of 260	$\frac{1}{3}$ of 27	$\frac{1}{5}$ of 130	$\frac{1}{10}$ of 170	$\frac{1}{4}$ of 88	$\frac{1}{7}$ of 35	$\frac{1}{12}$ of 144
Answer							
Letter							

Location and Year: _____

$\frac{1}{2}$ of 4	$\frac{3}{7}$ of 0	$\frac{1}{17}$ of 17	$\frac{0}{5}$ of 30

$\frac{1}{8}$ of 40	$\frac{13}{15}$ of 30	$\frac{1}{5}$ of 65	$\frac{6}{7}$ of 28	$\frac{4}{7}$ of 21	$\frac{3}{11}$ of 22	$\frac{1}{20}$ of 100	$\frac{11}{15}$ of 30	$\frac{3}{8}$ of 24
Answer								
Letter								

Location and Year: _____

$\frac{5}{12}$ of 36	$\frac{6}{13}$ of 39	$\frac{1}{4}$ of 60	$\frac{3}{11}$ of 55	$\frac{11}{12}$ of 24	$\frac{1}{5}$ of 95	$\frac{2}{5}$ of 65	$\frac{2}{9}$ of 63	$\frac{1}{7}$ of 98	$\frac{2}{8}$ of 88	$\frac{3}{11}$ of 33
Answer										
Letter										

$\frac{1}{8}$ of 40	$\frac{13}{15}$ of 30	$\frac{1}{5}$ of 65	$\frac{6}{7}$ of 28	$\frac{4}{7}$ of 21	$\frac{3}{11}$ of 22	$\frac{1}{20}$ of 100	$\frac{11}{15}$ of 30	$\frac{3}{8}$ of 24
Answer								
Letter								

Location and Year: _____

Extra Challenge: Find out in which countries these places are located.

$\frac{1}{2}$ of 3988			

Winter Olympics Code Breaker

Answers

Sports Challenge

1. Curling
2. Figure Skating
3. Skeleton
4. Bobsleigh

Team GB Athletes Challenge

1. Penny Coomes (Ice Dance)
2. Cammy Smith (Curling)
3. Nick Buckland (Ice Dance)
4. Lizzy Yarnold (Skeleton)

Locations Challenge

1. Sarajevo, 1984 (Bosnia and Herzegovina)
2. Vancouver, 2010 (Canada)
3. Lillehammer, 1994 (Norway)