

Rio Paralympics

1

A4 Maths Challenge Cards

Here are the number of gold medals from Great Britain and Northern Ireland at the last 6 Paralympic Games.

Year	Gold Medals
1992	40
1996	39
2000	41
2004	35
2008	42
2012	34

Present this information in a bar graph or line graph.

What other information could you use to create a graph?



Rio Paralympics

2

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Wheel Chair Rugby Game

In Wheelchair Rugby, 4 players are on the court. Each player is classified according to disability, using 0.5, 1, 1.5, 2, 2.5, 3, 3.5. The total score of the four players must not be more than 8.

Play this game with a partner. Choose 4 players that add to 8 or less. Write the four classifications in a column. Match your players. 1 point for each player who has a higher classification. After matching the 4 players, if one partner has a higher score, they score a goal.



Rio Paralympics

3

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Swimming Times

Here are some different swimming records for different classifications for the same event. Order each set of times from fastest to slowest.

50m freestyle

S9	S10	S11	S12	S13
25.13	23.16	25.27	22.99	23.20

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fastest

slowest

100m Freestyle

S10	S11	S12	S13	S14
50.87	56.67	50.91	50.85	53.50

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fastest

slowest

50m Backstroke

S3	S4	S5	S6	S7
42.21	42.71	34.95	35.01	32.56

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fastest

slowest

50m Breaststroke

SB8	SB9	SB10	SB11	SB12
31.57	29.16	32.45	30.52	29.90

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fastest

slowest

Rio Paralympics

4

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Long Jump

There were many long jump competitions in London 2012. From these results, use a long strip of paper or mark on the floor with masking tape and measure the lengths to find the length the gold medalists jumped.

Event	Athlete	Country	Distance
F11	Ruslan Katyshev	Ukraine	6.46m
F13	Luis Gutierrez	Cuba	7.54m
F20	José Expósito	Spain	7.25m
F36	Roman Pavlyk	Ukraine	5.23m
F37-38	Gocha Khugaev	Russia	6.31m
F42-44	Markus Rehm	Germany	7.35m
F46	Ming Da-vis	USA	7.15m



Rio Paralympics

5

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The Track

The Paralympic Track is 400m long. Calculate the number of laps for each event. Use fractions for your answers.

Event	Number of laps
100m	
200m	
400m	
800m	
1500m	
5000m	
4 x 100m	



Rio Paralympics A4 Maths Challenge Cards: **Answers**

1. Various answers
2. Game
3. 50m freestyle

S12	S10	S13	S9	S11
22.99	23.16	23.20	25.13	25.27

100m Freestyle

S13	S10	S12	S14	S11
50.85	50.87	50.91	53.50	56.67

50m Backstroke

S7	S5	S6	S3	S4
32.56	34.95	35.01	42.21	42.71

50m Breaststroke

SB9	SB12	SB11	SB8	SB10
29.16	29.90	30.52	31.57	32.45

4. Practical

5.

Event	Number of laps
100m	1/4
200m	1/2
400m	1
800m	2
1500m	3 3/4
5000m	12 1/2
4 x 100m	1