



Record Breakers!

The Record Breakers verification team is gathering data on all the record attempts submitted over the last 6 months. They need your help – you'd better get started...

Highest double standing jump by an under 10

The current record for the highest double standing jump is 0.98m. This is calculated by combining the height of both jumps.

At a recent event the following jumps were recorded:

1. Combine the jumps of each competitor to calculate if anyone beat the record.

Competitor	JUMP 1	JUMP 2	Combined
1	0.32	0.45	
2	0.46	0.44	
3	0.34	0.65	
4	0.57	0.45	

Which competitor holds the new record?

Smallest statue in the world



Needle sculptors use magnifying glasses to carve intricate sculptures in the eye of a needle! Last year's record was 0.735cm for the height of the sculpture.

This year each sculpture must have a plinth to stand on, but it will not be counted in the final measurement.

2. Find the height of each sculpture without the plinth.

full height	plinth height	sculpture height
0.956	0.234	
0.983	0.142	
0.998	0.189	
0.887	0.098	

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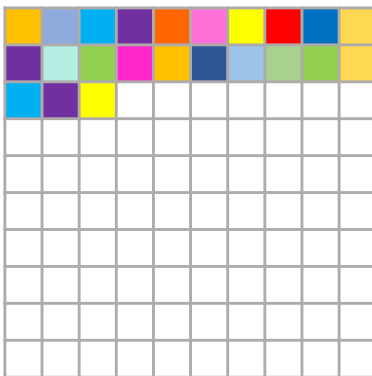
Fastest patchwork quilt ever made!

Bids for the world record are being closely monitored to ensure there are no pre made blankets entered. Competitors must upload photos of their blankets every hour.

Here are three entries after the first hour.



completed 0.35 of the whole



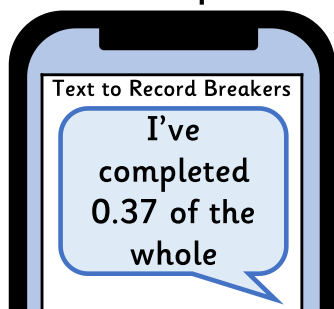
completed 0.23 of the whole



completed 0.58 of the whole

3. How much more of the whole does each competitor have to sew?

Four other competitors sent a text update.



4. How much more do these competitors have to sew until they are complete?

Fastest Finger First

These competitors must respond to a sound played in their earphones by hitting a button as fast as they can. The current record is 1 second.

There have been contests around the country and each area has sent their fastest time. However, some of the data has not uploaded correctly.

5. Complete the table to find the fastest finger!

Which areas have beaten the record?

Which area is the new record holder?

Area	Reaction time	+ or – record
North	0.963	
South		– 0.074
West	1.002	



Tough Mudder

Results have arrived from two muddy obstacle course events, but the calculators have gone missing. The officials are completing the results using column addition.

6. Mud splashes have covered some of the data. Help the officials to work out what numbers are under the mud.

$$\begin{array}{r} 4.308 \\ + 6.181 \\ \hline 10.90 \end{array}$$

$$\begin{array}{r} 3.898 \\ + 7.1 \\ \hline 10.999 \end{array}$$

$$\begin{array}{r} 5.86 \\ + 6.185 \\ \hline 11.521 \end{array}$$

High Climbers

The mountaineer race was a huge success, as the best climbers from around the world came together to surmount this record.



Results are being calculated, with time deducted for the breaks they are allowed.

7. Complete the table to find each climber's result.

Country	Climbing Time	Resting Time	Result
Canada	20.233	5.213	
UK	21.432	1.663	
Switzerland	22.09	3.986	
India	20.873	2.857	

Which country has the fastest climber?

Dare Devils

The snowboarding world is full of record breakers. The height of a free jump changes as riders become more daring and equipment is improved.

To ensure measurement is fair the height of the kicker is discounted from the height of the jump.



8. Complete the table below to ensure all the data is fully recorded.

The record holder is...

Rider	Kicker Height	Total Height	Jump Height
Kyle	2.5m	6.345m	
Angie	3.9m	7.89m	
Debs	2.85m	6.475m	
Leigh	2.735m	5.6m	

Heavy Lifters

Weight lifting training season is under way. The contestants track their improvement and the organisers then estimate what their final lifting weight will be.

9. Complete the table to calculate an estimate. Assume every contestant maintains the same increase each month.

Contestant	J	F	M	A	M	J	J
Geoff	13.35kg	13.5kg	13.65kg				
Shirley	12.09kg	12.89kg					
Scott	10.65kg	10.99kg					

Phew! The hard work is done!

There is a huge launch to celebrate the 100th year of the Record Breakers book being published.

Tickets will be sold to websites in bundles of 10, 100, and 1,000.

10. Calculate the prices for each bundle:



Ticket Type	Cost	x10	x100	x1,000
Adult	£5.95			
OAP	£3.45			
Child	£1.75			
Student	£2.55			

A VIP package will be available to purchase.
The prices have been emailed for each item.

11. Calculate the cost per person for each item, round to the nearest penny.

to:	accounts@recordbreakers.co.uk
bc:	
cc:	

See below for prices as requested:

Printed t shirts £35.90 per 10 shirts ordered
Logo caps £156.30 per 100 caps ordered

Flag £18.00 per 10 flags ordered
Whistles £18.50 per 100 whistles ordered

Rain poncho £12.60 per 1,000 ponchos
Logo pen £5.95 per 100 pens
Printed programme £532 per 100 programmes

Hope you find these useful, get in touch if you'd like to place an order.

12. How much will a VIP package be?
This will include one of each item plus £5.

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Record Breakers!



Launch day is here! All your hard work has paid off, the records are printed in the book ready to be published and make history...

Time to start again for next year!

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