

Tuesday 7th July 2020

I am learning to solve problems with decimals

Remember when calculating with decimals you need to make sure the decimal point lines up



Record Breakers!

Carry on with solving the Record Breakers problems.

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.

$$\begin{array}{r} 4.308 \\ + 6.18 \\ \hline 10.990 \end{array}$$
$$\begin{array}{r} 3.898 \\ + 7.1 \\ \hline 10.999 \end{array}$$
$$\begin{array}{r} 5.8 \\ + 6.1815 \\ \hline 11.521 \end{array}$$



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?

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					