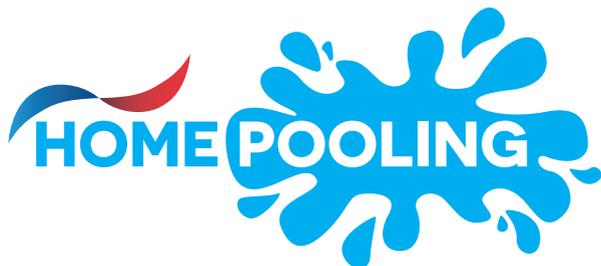# HOMEPOOLING

LESSON SEVEN
MATHS

Welcome to the Seventh lesson of our new Home Pooling classes

Welcome to the seventh of our new Home Pooling challenges! Each week, we will be releasing two challenges across a variety of subjects for parents and carers to work through with their children at home – with a British Swimming twist to each one.

Once your child/children have completed the relevant tasks, submit their work over social media by tagging @BritishSwimming using the hashtag #HomePooling – and one lucky child from each task will receive a personalised video message from one of our swimming, para-swimming or diving stars. Good luck and have fun!

Task One – Comparing and ordering numbers to 10 (Year 1 and above)

There are seven judges on an individual diving panel. After a diver performs their dive, each judge marks it out of 10. The two highest and two lowest marks from are discarded, leaving the three middle marks.

Look at the sets of scores below. Pick out the two highest and two lowest marks in each set, leaving the three middle marks to be used in the scoring.

	Judges Scores						
	A	B	C	D	E	F	G
DIVE 1	5	7	9	4	6	10	8
DIVE 2	10	5	6	2	1	9	7
DIVE 3	2	10	3	9	4	8	5

Task Two – Comparing and ordering decimals before adding them (Year 4 and above)

When judges award their individual scores in diving, they are either whole digits (like 5 and 6) or decimals of 0.5 (like 5.5 and 6.5). The two highest and two lowest marks are discarded, leaving the middle three, which are then added together and multiplied by the degree of difficulty (DD) of the dive, which we'll get on to in the final task.

Using the information you have so far, get rid of the two highest and lowest marks, and then add up the three remaining scores. We'll use the total you get in the final task.

Judges Scores						
A	B	C	D	E	F	G
6.5	6.0	7.0	7.5	7.5	8.5	8.0

Task Three – Multiplying two-digit numbers by a one-digit number (Year 3 and above)

For the above set of individual judges' scores, you should have got rid of the 6.0 and the 6.5 as the two lowest, and the 8.0 and 8.5 as the two highest. That leaves you with 7.0, 7.5 and 7.5. When you add those three marks together, you get 22.

That total would then be multiplied by the degree of difficulty of the dive to get an official score.

For this question, the dive difficulty rating is 3.0. Using all the information from tasks two and three, work out what score the diver would get on this occasion.