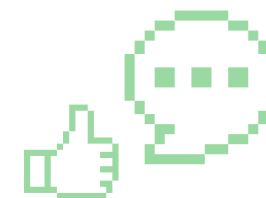


Measuring area


Recording sheet when measuring distances to calculate the area of the school playground

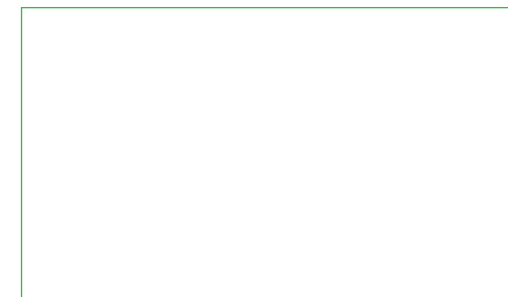


Names

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Remember

1. Split your playground into rectangles and label each rectangle A, B, C etc.
2. Make a note of which parts you are measuring here: 
3. Press the reset button on the back of your micro:bit before taking your first measurement.
4. Walk along the distance you are measuring, pressing button A on every step. Keep steps regular and consistent.
5. Press button B to get your distance in meters on the micro:bit LED display.
6. Record your reading on this worksheet.
7. Measure each distance 3 times, pressing the reset button on the back of your micro:bit between each measurement.



Name of shape	Length in m		Width in m		Average L x W = area in m ²
Example: A	1st try:	10.4m	1st try:	8.3m	$10.2 \times 8.3 = 84.7\text{m}^2$
	2nd try:	10.0m	2nd try:	8.2m	
	3rd try:	10.2m	3rd try:	8.4m	
	Average:	10.2m	Average:	8.3m	

BBC micro:bit playground survey

Pupil worksheet

Name of shape	Length in m		Width in m		Average L x W = area in m ²
	1st try:		1st try:		
	2nd try:		2nd try:		
	3rd try:		3rd try:		
	Average:		Average:		
	1st try:		1st try:		
	2nd try:		2nd try:		
	3rd try:		3rd try:		
	Average:		Average:		
	1st try:		1st try:		
	2nd try:		2nd try:		
	3rd try:		3rd try:		
	Average:		Average:		
	1st try:		1st try:		
	2nd try:		2nd try:		
	3rd try:		3rd try:		
	Average:		Average:		

Total area of my playground:	
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