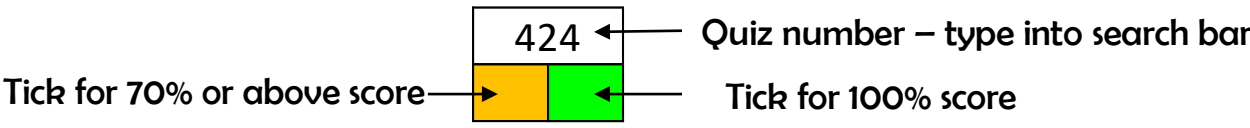
Montgomery Academy Hegarty maths passport 11A4 11B4 11B5

hegartymaths

Self isolating? Email your teacher and ask where you should start from.
Watch the video – make notes – answer the quiz
Scroll down beneath the video for "building block" skills for support



Half term 1 - 1st September to 14th October

	Two way tables	422	423	424								
	Frequency trees	638	639									
	Venn Diagrams	370	371	372	373	374	375	376	377	378	379	380
	Product of prime factors / HCF / LCM	28	29	30	31	32	35					
	Multiples in context	33	34	36								
	Best buys	763	764	765	766	767	768	769	770	771		
	Currency conversions	706	707	712								

Half term 2 - 2nd November to Christmas

	Rounding, truncation and error intervals	56	130	134	774	775	776	777				
	Estimation	131	132									
	Percentages	83	84	85	86	87	88	89	90	91	92	
	Interest, growth, depreciation and percentage change	93	94	95	97	98						
	Using a calculator	129										
	Reverse percentages	96										
	Fractions of amounts / Express one number as a fraction of another	77	78	62								
	Calculations with fractions - adding and subtracting / multiply / divide	65	66	67	68	69	70	71	72			
	Problem solving with fractions	79	80									
	Ratio	328	329	330	331	332	333	334				
	Proportion - recipes	739	740	741	742							
	Standard form basics	121	122	123	124							
	Standard index form calculations	125	126	127	128	133						
	Calculating with roots and indices	102	103	104	105	106	107					
	Index laws (powers)	173	174									

Half term 3 - 4th January to 12th February

	Algebra: simplifying expressions	156	157	158	159							
	Expanding brackets	160	161									
	Factorising	167	168	169	170	171						
	Sequences - linear / Fibonacci	196	197	198	263							
	Angles on parallel lines	481	482	483								
	Angles in polygons	560	561	562	563	564	565					
	Inequalities	265	266	267	268							
	Circle measure - circumference	534	535	536	537	538						
	Circle measure - area	539	540	541	542	543						
	Surface area of 3D objects	584	585	586	587	588						
	Volume of 3D objects	567	568	569	570	571	572	575	576	578	579	580

Half term 4 - 22nd February to 26th March

	Averages and range	404	405	406	407	408	409	410	413			
	Averages from a table	414	415	416	417	418						
	Frequency polygons	265										
	Scatter Graphs	453	454									
	Straight line graphs	206	208									
	Pie charts	427	428	429								
	Transformations of shapes - translations / reflections/ rotations	637	638		639	640	641		648	649	658	
	Transformations - enlargements - positive / fractional scale factors	642	643	644	645							
	Describing transformations	650	651	652	653	654						
	Pythagoras' Theorem - intro	497	498	499								
	Speed	716	717	718	719	720	721					
	Density	725	726	727	728							
	Pressure	734	735	736								

Half term 5 - 12th April to 28th May

	Linear equations in one variable	176	177	178	179	180	181	184	185	186
	Changing the subject - basic	280	281	282	283					
	Bearings	492	493	494	495	496				
	Probability - single events	349	350	351	352	353	354	355	356	357
	Probability - more than one event	358	359	360	361	362	363			