

Maths Workout - Number

Topic 12 - Rounding & Estimation				
Target 1	Target 2	Target 3	Target 4	Target 5
<i>Distinguish between exact and approximate numbers</i>	<i>Round numbers up to 100,000.00 to the nearest whole number, 10, 100 and 1000</i>	<i>Round numbers up to 100.00000 to 1, 2, 3 and 4 decimal places</i>	<i>Round large and small numbers to 1, 2 and 3 significant figures</i>	<i>Estimate by rounding to 1sf and otherwise Estimate by educated guess</i>
1. Distinguish between exact and approximate numbers	1. Round numbers < 100 with 1 dp to the nearest whole number	1. Round numbers < 10 with 2 dp to 1 dp	1. Identify the 1 st significant figure in a number	1. Estimate calculations by rounding to 1 sf: 1 operation
2. Distinguish between exact and approximate numbers	2. Round numbers < 100 with 2 dp to the nearest whole number	2. Round numbers < 100 with 3 dp to 1 dp	2. Identify the 2 nd significant figure in a number	2. Estimate calculations by rounding to 1 sf: 2 operations
	3. Round numbers < 10000 with 1 dp to the nearest whole number; rounding causes knock-on place value changes	3. Round numbers < 1000 with 2 dp to 1 dp ; rounding causes knock-on place value changes	3. Identify the 3 rd significant figure in a number	3. Estimate calculations by rounding to 1 sf: 2 operations; quiz style
	4. Round whole numbers < 1000 to the nearest 10	4. Round numbers < 100 with 3 dp to 2 dp	4. Round a whole number < 100000 to 1 sf	4. Estimate values of commonplace objects: quiz style
	5. Round whole numbers < 10000 to the nearest 10	5. Round numbers < 1000 with 3 dp to 2 dp	5. Round a number with up to 3 dp < 1000 to 1 sf	5. Estimate the number of shapes up to 200
	6. Round whole numbers < 100000 to the nearest 10; rounding causes knock-on place value changes	6. Round numbers < 1000 with 3 dp to 1 dp ; rounding causes knock-on place value changes	6. Round a number with up to 5 dp < 1 to 1 sf	
	7. Round whole numbers < 10000 to the nearest 100	7. Round numbers < 10 with 4 dp to 3 dp	7. Round a whole number < 100000 to 2 sf	
	8. Round whole numbers < 100000 to the nearest 100	8. Round numbers < 100 with 4 dp to 3 dp	8. Round a number with up to 3 dp < 100 to 2 sf	
	9. Round whole numbers < 1000000 to the nearest 100; rounding causes knock-on place value changes	9. Round numbers < 10 with 4 dp to 3 dp ; rounding causes knock-on place value changes	9. Round a number with up to 5 dp < 1 to 2 sf	
	10. Round whole numbers < 100000 to the nearest 1000	10. Round numbers < 100 with 5 dp to 4 dp	10. Round a whole number < 1000000 to 3 sf	
	11. Round whole numbers < 1000000 to the nearest 1000	11. Round numbers < 100 with 5 dp to 4 dp	11. Round a number with up to 3 dp < 1000 to 3 sf	
	12. Round whole numbers < 10000000 to the nearest 1000; rounding causes knock-on place value changes	12. Round numbers < 10 with 5 dp to 4 dp ; rounding causes knock-on place value changes	12. Round a number with up to 6 dp < 1 to 3 sf	