

I can.....

1	Round each of the following to the nearest 10 a) 24 b) 66 c) 85 d) 176 e) 194 f) 345	★ <i>Round numbers to the nearest 10</i>
2	Round each of the following to the nearest 100 a) 265 b) 344 c) 652 d) 1435 e) 2593 f) 3956	★ <i>Round numbers to the nearest 100</i>
3	Round each of the following to the nearest 1000 a) 2439 b) 5463 c) 6849 d) 8459 e) 9550 f) 12435	★ <i>Round numbers to the nearest 1000</i>
4	Round each of the following to the nearest integer a) 5.3 b) 7.9 c) 9.5 d) 12.64 e) 15.44 f) 0.93	★ <i>Round numbers to the nearest integer</i>
5	Round each of the following to 1 decimal place a) 3.24 b) 6.58 c) 7.05 d) 0.94 e) 3.456 f) 8.96	★★ <i>Round numbers to 1 decimal place</i>
6	Round each of the following to 2 decimal places a) 3.564 b) 1.944 c) 0.626 d) 2.905 e) 5.597 f) 4.095	★★ <i>Round numbers to 2 decimal places</i>
7	Round each of the following to 1 significant figure a) 56 b) 835 c) 5562 d) 4.62 e) 0.563 f) 0.034	★★ <i>Round numbers to 1 significant figure</i>
8	Round each of the following to 2 significant figures a) 564 b) 9383 c) 4536 d) 3.45 e) 0.942 f) 0.0556	★★ <i>Round numbers to 2 significant figures</i>
9	Estimate the answers to the following a) $546 + 321$ b) $7432 - 435$ c) 55×32 d) $784 \div 35$ e) $\frac{56+36}{9.7}$ f) $\frac{409-212}{19}$ g) $\frac{482}{30.4 - 4.9}$ h) $102 - 4.93^2$ i) $\frac{3.5+5.4}{0.46}$	★★★ <i>Estimate the answer to a given calculation</i>
10	Write the upper and lower bound for each of the following ($LB \leq x < UB$) a) 60 (rounded to the nearest 10) b) 140 (rounded to the nearest 10) c) 400 (rounded to the nearest 100) d) 7000 (rounded to the nearest 1000) e) 5 (rounded to the nearest integer) f) 5.6 (rounded to 1 decimal place) g) 90 (rounded to 1 significant figure)	★★★ <i>Use an inequality to express the possible error for a rounded value</i>

I can.....

ANSWERS

1	Round each of the following to the nearest 10 a) 24 20 ✓ b) 66 70 ✓ c) 85 90 ✓ d) 176 180 ✓ e) 194 190 ✓ f) 345 350 ✓	★ <i>Round numbers to the nearest 10</i>
2	Round each of the following to the nearest 100 a) 265 300 ✓ b) 344 300 ✓ c) 652 700 ✓ d) 1435 1400 ✓ e) 2593 2600 ✓ f) 3956 4000 ✓	★ <i>Round numbers to the nearest 100</i>
3	Round each of the following to the nearest 1000 a) 2439 2000 ✓ b) 5463 5000 ✓ c) 6849 7000 ✓ d) 8459 8000 ✓ e) 9550 10000 ✓ f) 12435 12000 ✓	★ <i>Round numbers to the nearest 1000</i>
4	Round each of the following to the nearest integer a) 5.3 5 ✓ b) 7.9 8 ✓ c) 9.5 10 ✓ d) 12.64 13 ✓ e) 15.44 15 ✓ f) 0.93 1 ✓	★ <i>Round numbers to the nearest integer</i>
5	Round each of the following to 1 decimal place a) 3.24 3.2 ✓ b) 6.58 6.6 ✓ c) 7.05 7.1 ✓ d) 0.94 0.9 ✓ e) 3.456 3.5 ✓ f) 8.96 9.0 ✓	★★ <i>Round numbers to 1 decimal place</i>
6	Round each of the following to 2 decimal places a) 3.564 3.56 ✓ b) 1.944 1.94 ✓ c) 0.626 0.63 ✓ d) 2.905 2.91 ✓ e) 5.597 5.60 ✓ f) 4.095 4.10 ✓	★★ <i>Round numbers to 2 decimal places</i>
7	Round each of the following to 1 significant figure a) 56 60 ✓ b) 835 800 ✓ c) 5562 6000 ✓ d) 4.62 5 ✓ e) 0.563 0.6 ✓ f) 0.034 0.03 ✓	★★ <i>Round numbers to 1 significant figure</i>
8	Round each of the following to 2 significant figures a) 564 560 ✓ b) 9383 9400 ✓ c) 4536 4500 ✓ d) 3.45 3.5 ✓ e) 0.942 0.94 ✓ f) 0.0556 0.056 ✓	★★ <i>Round numbers to 2 significant figures</i>
9	Estimate the answers to the following a) $546 + 321$ 800 ✓✓ b) $7432 - 435$ 6600 ✓✓ c) 55×32 1800 ✓✓ d) $784 \div 35$ 20 ✓✓ e) $\frac{56+36}{9.7}$ 10 ✓✓ f) $\frac{409-212}{19}$ 10 ✓✓ g) $\frac{482}{30.4 - 4.9}$ 20 ✓✓ h) $102 - 4.93^2$ 75 ✓✓ i) $\frac{3.5+5.4}{0.46}$ 18 ✓✓	★★★ <i>Estimate the answer to a given calculation</i>
10	Write the upper and lower bound for each of the following ($LB \leq x < UB$) a) 60 (rounded to the nearest 10) $55 \leq x < 65$ ✓✓ b) 140 (rounded to the nearest 10) $135 \leq x < 145$ ✓✓ c) 400 (rounded to the nearest 100) $350 \leq x < 450$ ✓✓ d) 7000 (rounded to the nearest 1000) $6500 \leq x < 7500$ ✓✓ e) 5 (rounded to the nearest integer) $4.5 \leq x < 5.5$ ✓✓ f) 5.6 (rounded to 1 decimal place) $5.55 \leq x < 5.65$ ✓✓ g) 90 (rounded to 1 significant figure) $85 \leq x < 95$ ✓✓	★★★ <i>Use an inequality to express the possible error for a rounded value</i>

80 marks