

S1 Test 1: Numeracy Revision

Prior	Core	Extension
1. Round: (a) 23 809 to the nearest thousand. (b) 32.7 to the nearest whole number.	1. Round: (a) 42 635 to the nearest ten thousand (b) 8.53 to 1 decimal place. (c) 7.326 to 2 decimal places.	1. Round: (a) 82 594 to 1 significant figure (b) 0.0643 to 2 significant figures.
2. Work out: (a) $8200 - 3467$ (b) 378×9 (c) $2148 \div 6$ (d) 87×10 (e) 18×100 (f) $2130 \div 10$ (g) $563000 \div 100$	2. Work out: (a) 243×60 (b) 47×300 (c) $2800 \div 40$ (d) $15000 \div 200$ (e) $4 \times 26 \times 250$ (f) $9 + 15 \div 4$ (g) $8 \times (25 - 16)$	2. Work out: (a) 416×23 (b) $4536 \div 14$
3. Estimate the answer to 487×13 by first rounding each number appropriately.	3. Estimate the answer to 9.49×3.5 by first rounding each number appropriately.	3. Estimate the answer to 592×0.34 by first rounding each number appropriately.
4. Write the number (a) 0.3 as a fraction (b) 0.2 as a fraction in simplest form 5. Write the numbers 0.7, 1.8, 2, 1.2 in order starting with the smallest.	4. Write the number as fractions: (a) 0.09 as a fraction (b) 0.123 as a fraction (c) 0.25 as a fraction in simplest form 5. Write the numbers 4.003, 4.33, 4.03, 4.303 in order starting with the smallest.	4. Write these fractions as decimals: (a) $\frac{5}{8}$ (b) $\frac{2}{9}$ (c) $\frac{4}{11}$
6. Work out: (a) $27.6 + 3.54$ (b) $5.64 - 2.7$ (c) 35.4×8 (d) $54.76 \div 4$	6. Work out: (a) $7.08 + 3.541$ (b) $9.267 - 0.3$ (c) 0.54×10 (d) 1.3×100 (e) 0.2×1000 (f) $86 \div 10$ (g) $92 \div 100$ (h) $22.5 \div 1000$ (i) 3.21×70 (j) 0.46×800 (k) 1.42×9000 (l) $41.4 \div 30$ (m) $76 \div 400$ (n) $35.6 \div 2000$ (o) $4.3 \div 2$ (p) $17 \div 4$ (q) $3.8 \div 8$	5. Work out: (a) 0.32×0.4 (b) $42 \div 0.3$

7. Work out: (a) $\frac{1}{6}$ of 48 (b) $\frac{4}{7}$ of 21	7. Find the missing number: $\frac{13}{20} = \frac{?}{100}$ 8. Write $\frac{28}{40}$ in its simplest form.	6. Which is the bigger fraction: $\frac{3}{4}$ or $\frac{5}{7}$? Show working to justify your answer.
8. Write the numbers 4, -1, 0, -7 in order starting with the smallest.	9. Insert < or > between each pair of numbers to make a true statement: (a) -1.....4 (b) -9.....-11 10. The temperature dropped from 7 °C to -5 °C. By how many degrees has the temperature dropped?	7. Work out : (a) -4 + 9 (b) 7 - 11 (c) -3 + (-2) (d) -5 - (-6)

Answers

Prior	Core	Extension
1. (a) 24 000 (b) 33	1. (a) 43 000 (b) 8.5 (c) 7.33	1. (a) 80 000 (b) 0.064
2. (a) 4733 (b) 3402 (c) 358 (d) 870 (e) 1800 (f) 213 (g) 5630	2. (a) 145800 (b) 14100 (c) 70 (d) 75 (e) 26000 (f) 12.75 (g) 72	2. (a) 9568 (b) 324
3. $500 \times 10 = 5000$	3. $9 \times 4 = 36$	3. $600 \times 0.3 = 180$
4. (a) $\frac{3}{10}$ (b) $\frac{1}{5}$ 5. 0.7, 1.2, 1.8, 2	4. (a) $\frac{9}{100}$ (b) $\frac{123}{1000}$ (c) $\frac{1}{4}$ 5. 4.003, 4.03, 4.303, 4.33	4. (a) 0.625 (b) $0.\dot{2}$ (c) $0.\dot{3}\dot{6}$
6. (a)31.14 (b)2.94 (c)283.2 (d)13.69	6.(a)10.621 (b)8.967 (c)5.4 (d)130 (e)200 (f) 8.6 (g) 0.92 (h) 0.0225 (i) 224.7 (j) 368 (k) 12780 (l) 1.38 (m) 0.19 (n) 0.0178 (o) 2.15 (p) 4.25 (q) 0.475	5. (a) 0.128 (b) 140
7. (a) 8 (b) 12	7. $\frac{13}{20} = \frac{65}{100}$ 8. $\frac{7}{10}$	6. $\frac{3}{4}$ is bigger as $\frac{3}{4} = \frac{21}{28}$ and $\frac{5}{7} = \frac{20}{28}$?
8. -7, -1, 0, 4	9. (a) -1 < 4 (b) -9 > -11 10. 12 °C	7. (a) 5 (b) -4 (c) -5 (d) 1