

S1 Test 2: Numeracy Revision

Prior	Core	Extension
<p>1. Round: (a) 32 607 to the nearest thousand. (b) 41.8 to the nearest whole number.</p>	<p>1. Round: (a) 6.82 to 1 decimal place. (b) 8.137 to 2 decimal places.</p>	<p>1. Round: (a) 2 945 to 2 significant figures. (b) 0.0364 to 1 significant figure.</p>
<p>2. Work out: (a) $7100 - 2671$ (b) 458×7 (c) $2152 \div 8$ (d) 96×10 (e) 27×100 (f) $3250 \div 10$ (g) $172000 \div 100$</p>	<p>2. Work out: (a) 326×60 (b) 28×900 (c) $4200 \div 30$ (d) $13000 \div 200$</p>	<p>2. Work out: (a) 164×32 (b) $4511 \div 13$</p>
<p>3. Work out: (a) $14.7 + 2.45$ (b) $8.41 - 3.9$ (c) 25.3×6 (d) $54.32 \div 4$ (e) 0.63×10 (f) 2.1×100 (g) 0.4×1000 (h) $75 \div 10$ (i) $54 \div 100$ (j) $13.2 \div 1000$</p>	<p>3. Work out: (a) $1.28 + 3.6 \div 4$ (b) $8 \times (4.2 - 1.56)$ (c) 2.43×70 (d) 0.37×800 (e) 1.52×9000 (f) $5 \times 7.9 \times 200$ (g) $64.8 \div 30$ (h) $96 \div 400$ (i) $29.4 \div 2000$ (j) $5.7 \div 2$ (k) $3.8 \div 5$ (l) $21 \div 4$</p>	<p>3. Work out: (a) 0.25×0.7 (b) $54 \div 0.6$</p>
<p>4. Write 0.6 as a fraction in simplest form. 5. Write $\frac{9}{100}$ as a decimal.</p>	<p>4. Write 0.35 as a fraction in simplest form. 5. Write these fractions as decimals: (a) $\frac{1}{4}$ (b) $\frac{2}{5}$</p>	<p>4. Write 0.012 as a fraction in simplest form. 5. Write these fractions as decimals: (a) $\frac{7}{8}$ (b) $\frac{2}{3}$</p>
<p>6. Write 9% as a: (a) fraction (b) decimal. 7. Write 80% as a: (a) fraction in its simplest form (b) decimal.</p>	<p>6. Write 2.5% as a: (a) fraction in its simplest form (b) decimal. 7. Work out: (a) 25% of 320 (b) $66\frac{2}{3}\%$ of 24 (c) 30% of £45 (d) 7% of 4000</p>	<p>6. A shop gives 5% discount during a sale. Calculate the sale price of a television normally priced £560. 7. In 1970 the population of Newton was 3200. By 2010 the population had increased by 15%. Calculate the population of Newton in 2010.</p>

8. Write $\frac{24}{36}$ in its simplest form. 9. Work out: (a) $\frac{3}{8}$ of 48 (b) $\frac{2}{9}$ of 36	8. Work out: (a) $\frac{5}{8} + \frac{1}{4}$ (b) $\frac{2}{3} - \frac{1}{9}$	8. Work out: (a) $\frac{3}{5} + \frac{1}{4}$ (b) $\frac{5}{6} - \frac{2}{9}$ (c) $\frac{5}{8} \times \frac{6}{11}$ (d) $\frac{7}{10} \div \frac{3}{4}$
10. Work out the value of (a) 4^2 (b) 9^2 .	9. Work out the values of (a) 3^3 (b) 7^1 (c) 5^0 (d) 6^{-2} (e) $\sqrt{49}$	9. Work out : (a) $-3 + 7$ (b) $6 - 13$ (c) $-2 + (-8)$ (d) $-1 - (-5)$

Answers

Prior	Core	Extension
1. (a) 33 000 (b) 42	1. (a) 6.8 (b) 8.14	1. (a) 2 900 (b) 0.036
2. (a) 4429 (b) 3206 (c) 269 (d) 960 (e) 2700 (f) 325 (g) 1720	2. (a) 19560 (b) 25200 (c) 140 (d) 65	2. (a) 5248 (b) 347
3. (a) 17.15 (b) 4.51 (c) 151.8 (d) 13.58 (e) 6.3 (f) 210 (g) 400 (h) 7.5 (i) 0.54 (j) 0.0132	3. (a) 2.18 (b) 21.12 (c) 170.1 (d) 296 (e) 13680 (f) 7900 (g) 2.16 (h) 0.24 (i) 0.0147 (j) 2.85 (k) 0.76 (l) 5.25	3. (a) 0.175 (b) 90
4. $\frac{3}{5}$ 5. 0.09	4. $\frac{7}{20}$ 5. (a) 0.25 (b) 0.4	4. $\frac{3}{250}$ 5. (a) 0.875 (b) $0.\dot{6}$
6. (a) $\frac{9}{100}$ (b) 0.09 7. (a) $\frac{4}{5}$ (b) 0.8	6. (a) $\frac{1}{40}$ (b) 0.025 7. (a) 80 (b) 16 (c) £13.50 (d) 280	6. £532 7. 3680
8. $\frac{2}{3}$ 9. (a) 18 (b) 8	8. (a) $\frac{7}{8}$ (b) $\frac{5}{9}$	8. (a) $\frac{17}{20}$ (b) $\frac{11}{18}$ (c) $\frac{15}{44}$ (d) $\frac{14}{15}$
10. (a) 16 (b) 81	9. (a) 27 (b) 7 (c) 1 (d) $\frac{1}{36}$ (e) 7	9. (a) 4 (b) -7 (c) -10 (d) 4