

## S2 Test 2: Numeracy Revision

Prior	Core	Extension
<p>1. Round:                      (a) 46 501 to the nearest thousand.                      (b) 17·9 to the nearest whole number.</p>	<p>1. Round:                      (a) 11·26 to 1 decimal place.                      (b) 0·514 to 2 decimal places.</p>	<p>1. Round:                      (a) 36 482 to 1 significant figure                      (b) 0·0917 to 2 significant figures.</p>
<p>2. Work out:            (a) 7200 – 2638                      (b) <math>627 \times 8</math>        (c) <math>2478 \div 7</math>                      (d) <math>65 \times 10</math>        (e) <math>24 \times 100</math>                      (f) <math>4360 \div 10</math>    (g) <math>109000 \div 100</math></p>	<p>2. Work out:                      (a) <math>365 \times 70</math>        (b) <math>78 \times 400</math>                      (c) <math>4800 \div 30</math>      (d) <math>23000 \div 200</math></p>	<p>2. Work out:                      (a) <math>213 \times 24</math>        (b) <math>4528 \div 16</math></p>
<p>3. Work out:                      (a) <math>36\cdot8 + 4\cdot73</math>      (b) <math>8\cdot52 - 4\cdot6</math>                      (c) <math>53\cdot2 \times 7</math>        (d) <math>54\cdot78 \div 6</math>                      (e) <math>0\cdot91 \times 10</math>        (f) <math>2\cdot6 \times 100</math>                      (g) <math>0\cdot8 \times 1000</math>      (h) <math>49 \div 10</math>                      (i) <math>67 \div 100</math>        (j) <math>37\cdot5 \div 1000</math></p>	<p>3. Work out:                      (a) <math>1\cdot42 \times 80</math>        (b) <math>0\cdot35 \times 900</math>                      (c) <math>2\cdot61 \times 7000</math>      (d) <math>42\cdot4 \div 40</math>                      (e) <math>78 \div 300</math>        (f) <math>29\cdot4 \div 2000</math>                      (g) <math>19 \div 4</math>        (h) <math>37 \div 5</math>                      (i) <math>0\cdot72 + 1\cdot8 \div 6</math>    (j) <math>4 \times (3\cdot2 - 1\cdot58)</math></p>	<p>3. Work out:                      (a) <math>0\cdot63 \times 0\cdot05</math>    (b) <math>5\cdot28 \div 0\cdot3</math></p>
<p>4. Write the number 0·3 as a fraction.                      5. Write <math>\frac{7}{100}</math> as a decimal.</p>	<p>4. Write 0·65 as a fraction in simplest form.                      5. Write these fractions as decimals:                      (a) <math>\frac{1}{4}</math>        (b) <math>\frac{3}{5}</math></p>	<p>4. Write 0·015 as a fraction in simplest form.                      5. Write these fractions as decimals:                      (a) <math>\frac{7}{8}</math>        (b) <math>\frac{5}{9}</math></p>
<p>6. Write 20% as a:                      (a) fraction in its simplest form.                      (b) decimal.                      7. Work out:                      (a) <math>33\frac{1}{3}\%</math> of 45        (b) 75% of 160                      (c) 10% of £38</p>	<p>6. Work out:                      (a) 70% of 120        (b) 3% of 8000                      (c) 5% of £270        (d) 15% of £420                      7. A shop gives 30% discount during a sale.                      Calculate the sale price of a fridge normally priced £290.</p>	<p>6. Fred is paid £340 per week. He is given a 2·5% pay rise. Calculate his new weekly wage.                      7. Emma scored 17 out of 20 in a Maths test and 21 out of 25 in an English test. What percentage did she score in each test?.</p>

8. Work out: (a) $\frac{3}{5}$ of 35 (b) $\frac{2}{9}$ of 36 (c) $\frac{3}{8} + \frac{1}{4}$ (d) $\frac{8}{9} - \frac{2}{3}$	8. Work out: (a) $\frac{2}{5} + \frac{3}{7}$ (b) $\frac{9}{10} - \frac{3}{4}$ (c) $\frac{3}{8} \times \frac{6}{11}$ (d) $\frac{2}{9} \div \frac{3}{5}$	8. Work out: (a) $1\frac{3}{4} + 2\frac{2}{5}$ (b) $3\frac{4}{9} - 1\frac{1}{6}$ (c) $1\frac{3}{7} \times 4\frac{2}{3}$ (d) $3\frac{3}{4} \div 2\frac{2}{5}$
9. Work out the values of: (a) $9^2$ (b) $10^3$ (c) $11^1$ (d) $8^0$ (e) $3^{-2}$ (f) $\sqrt{36}$	9. Work out : (a) $-3 + 10$ (b) $2 - 8$ (c) $-1 + (-4)$ (d) $-5 - (-7)$	9. Work out : (a) $-7 \times 8$ (b) $-4 \times (-9)$ (c) $48 \div -6$ (d) $-60 \div (-5)$

### Answers

Prior	Core	Extension
1. (a) 47 000 (b) 18	1. (a) 11.3 (b) 0.51	1. (a) 40 000 (b) 0.092.
2. (a) 4562 (b) 5016 (c) 354 (d) 650 (e) 2400 (f) 436 (g) 1090	2. (a) 25550 (b) 31200 (c) 160 (d) 115	2. (a) 5112 (b) 283
3. (a) 41.53 (b) 3.92 (c) 372.4 (d) 9.13 (e) 9.1 (f) 260 (g) 800 (h) 4.9 (i) 0.67 (j) 0.0375	3. (a) 113.6 (b) 315 (c) 18270 (d) 1.06 (e) 0.26 (f) 0.0147 (g) 4.75 (h) 7.4 (i) 1.02 (j) 6.48	3. (a) 0.0315 (b) 17.6
4. $\frac{3}{10}$ 5. 0.07	4. $\frac{13}{20}$ 5.(a) 0.25 (b) 0.6	4. $\frac{3}{200}$ 5.(a) 0.875 (b) $0.\dot{5}$
6. (a) $\frac{1}{5}$ (b) 0.2	6. (a) 84 (b) 240 (c) £13.50 (d) £63 7. £203	6. £348.50 7. Maths 85%, English 84%
7. (a) 15 (b) 120 (c) £3.80		
8. (a) 21 (b) 8 (c) $\frac{5}{8}$ (d) $\frac{2}{9}$	8.(a) $\frac{29}{35}$ (b) $\frac{3}{20}$ (c) $\frac{9}{44}$ (d) $\frac{10}{27}$	8. (a) $4\frac{3}{20}$ (b) $2\frac{5}{18}$ (c) $6\frac{2}{3}$ (d) $1\frac{9}{16}$
9.(a) 81 (b) 1000 (c) 11 (d) 1 (e) $\frac{1}{9}$ (f) 6	9. (a) 7 (b) -6 (c) -5 (d) 2	9. (a) -56 (b) 36 (c) -8 (d) 12