

S1/S2 Numeracy Homework (Non-Calculator)

Exercise 1-Write each number out in words

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|---------------|---------------|---------------|
| 1. 7 002 | 2. 10 089 | 3. 2 020 |
| 4. 116 098 | 5. 102 000 | 6. 567 080 |
| 7. 505 011 | 8. 870 320 | 9. 200 090 |
| 10. 3 800 967 | 11. 2 000 750 | 12. 1 170 000 |

Exercise 2- Write each number in figures

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|---|--------------------------------------|
| 1. seven thousand and sixty | 2. fifty thousand and twenty-one |
| 3. two hundred and six thousand three hundred and sixteen | 4. one million twenty five thousand |
| 5. four million and sixteen | 6. two million four thousand and one |

Exercise 3- Write down the answer to each

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|------------------|-------------------|------------------|-------------------|------------------|
| 1. $320 + 140$ | 2. $230 + 90$ | 3. $550 - 140$ | 4. $810 - 260$ | 5. $670 - 180$ |
| 6. $34 + 58$ | 7. $87 + 25$ | 8. $88 + 69$ | 9. $67 - 48$ | 10. $101 - 78$ |
| 11. 8×9 | 12. 7×12 | 13. 6×7 | 14. 8×8 | 15. 7×9 |
| 16. 4×8 | 17. 6×9 | 18. 7×8 | 19. 9×12 | 20. 7×3 |



Exercise 4- Write down the answer to each

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|--------------------|---------------------|---------------------|----------------------|---------------------|
| 1. 45×100 | 2. 86×1000 | 3. 702×100 | 4. 904×1000 | 5. 630×100 |
| 6. 40×7 | 7. 80×90 | 8. 900×7 | 9. 45×20 | 10. 250×30 |

Exercise 5- Double each of the following

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|---------|--------|--------|--------|---------|
| 1. 54 | 2. 86 | 3. 340 | 4. 809 | 5. 330 |
| 6. 7200 | 7. 105 | 8. 760 | 9. 911 | 10. 782 |

Exercise 6- Write down the answer when 1 020 is added to each of the following

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|------------|------------|------------|-----------|-------------|
| 1. 479 | 2. 8 550 | 3. 10 777 | 4. 19 000 | 5. 304 186 |
| 6. 119 320 | 7. 300 745 | 8. 650 680 | 9. 339 98 | 10. 723 880 |



Exercise 7- Write down the answer when 2 100 is subtracted from each of the following

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|------------|------------|------------|------------|-------------|
| 1. 6 177 | 2. 22 850 | 3. 65 160 | 4. 78 000 | 5. 87 030 |
| 6. 211 700 | 7. 140 800 | 8. 399 000 | 9. 101 000 | 10. 160 099 |

Exercise 8- Write down how much has been added to each number to get the next

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|--------------------|---------------------|---------------------|---------------------|
| 1. 4 567 to 4 667 | 2. 4 667 to 6 767 | 3. 6 767 to 9 770 | 4. 9 770 to 9 800 |
| 5. 9 800 to 10 002 | 6. 10 002 to 10 100 | 7. 10 100 to 11 000 | 8. 11 000 to 20 200 |

Exercise 9- Write down how much has been subtract from each number to get the next

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|-----------------------|-----------------------|-----------------------|-----------------------|
| 1. 303 000 to 300 000 | 2. 300 000 to 299 900 | 3. 299 900 to 297 700 | 4. 297 700 to 297 650 |
| 5. 297 650 to 270 650 | 6. 270 650 to 250 630 | 7. 250 630 to 190 610 | 8. 190 610 to 188 608 |

Exercise 10- Write out these sums and calculate

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|-------------------|----------------------|--------------------|-----------------------|-------------------------|
| 1. $3\,246 + 815$ | 2. $4\,089 + 6\,745$ | 3. $45\,768 + 267$ | 4. $34\,098 + 8\,976$ | 5. $34\,768 + 78\,677$ |
| 6. $3\,246 - 815$ | 7. $6\,089 - 4\,745$ | 8. $45\,768 - 269$ | 9. $34\,098 - 8\,976$ | 10. $78\,677 - 34\,768$ |

Exercise 11-Calculate

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|----------------------|-----------------------|-----------------------|-------------------------------|--------------------------------|
| 1. 8×8 | 2. 7×12 | 3. 8×9 | 4. 6×7 | 5. 8×12 |
| 6. 40×6 | 7. 7×700 | 8. 40×90 | 9. 800×11 | 10. 90×900 |
| 11. $4 + 3 \times 7$ | 12. $17 - 3 \times 5$ | 13. $33 - 8 \times 4$ | 14. $5 \times 6 + 3 \times 9$ | 15. $12 \times 6 - 4 \times 9$ |

Exercise 12-Write out these sums and calculate

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|-------------------|-------------------|-------------------|-------------------|--------------------|
| 1. 23×6 | 2. 56×7 | 3. 560×4 | 4. 783×5 | 5. 864×8 |
| 6. 537×9 | 7. 245×8 | 8. 913×7 | 9. 349×6 | 10. 548×9 |

Exercise 13-Write down the first 7 multiples of:

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|------|------|------|-------|-------|
| 1. 6 | 2. 7 | 3. 9 | 4. 12 | 5. 25 |
|------|------|------|-------|-------|

Exercise 14-Write down all the factor pairs of:

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|-------|-------|-------|-------|--------|
| 1. 18 | 2. 32 | 3. 36 | 4. 54 | 5. 100 |
|-------|-------|-------|-------|--------|



Exercise 15-Write down half of each number

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|--------|--------|--------|---------|---------|
| 1. 260 | 2. 670 | 3. 172 | 4. 3056 | 5. 2312 |
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Exercise 16-Calculate

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|------------------|-------------------|--------------------|--------------------|---------------------|
| 1. $24 \div 4$ | 2. $72 \div 9$ | 3. $60 \div 12$ | 4. $56 \div 8$ | 5. $121 \div 11$ |
| 6. $420 \div 10$ | 7. $3600 \div 6$ | 8. $420 \div 7$ | 9. $305 \div 5$ | 10. $6050 \div 10$ |
| 11. $30 \div 15$ | 12. $300 \div 15$ | 13. $300 \div 150$ | 14. $3000 \div 15$ | 15. $3000 \div 150$ |

Exercise 17- Write down a sum and calculate

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|------------------|------------------|------------------|------------------|----------------------|
| 1. $78 \div 3$ | 2. $819 \div 3$ | 3. $306 \div 6$ | 4. $483 \div 7$ | 5. $4552 \div 8$ |
| 6. $3800 \div 4$ | 7. $1648 \div 8$ | 8. $6480 \div 9$ | 9. $4466 \div 7$ | 10. $85\ 509 \div 9$ |



Exercise 18- Calculate

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|------------------------|--------------------------|-------------------------|--------------------------|--------------------------|
| 1. $\frac{1}{3}$ of 27 | 2. $\frac{1}{4}$ of 60 | 3. $\frac{1}{5}$ of 75 | 4. $\frac{1}{6}$ of 600 | 5. $\frac{1}{7}$ of 420 |
| 6. $\frac{1}{8}$ of 96 | 7. $\frac{1}{9}$ of 1800 | 8. $\frac{1}{6}$ of 306 | 9. $\frac{1}{7}$ of 1421 | 10. $\frac{1}{12}$ of 96 |

Exercise 19-Calculate

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|------------------------|-------------------------|------------------------|-------------------------|--------------------------|
| 1. $\frac{2}{3}$ of 18 | 2. $\frac{3}{7}$ of 14 | 3. $\frac{5}{8}$ of 24 | 4. $\frac{2}{5}$ of 100 | 5. $\frac{3}{8}$ of 32 |
| 6. $\frac{2}{9}$ of 36 | 7. $\frac{2}{11}$ of 33 | 8. $\frac{5}{6}$ of 42 | 9. $\frac{2}{3}$ of 150 | 10. $\frac{2}{7}$ of 700 |

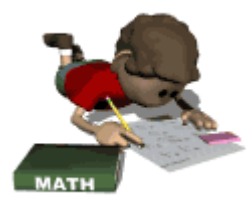
Exercise 20-Calculate

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|--|--|--------------------------------|--------------------------------|--|
| 1. $\frac{2}{5} + \frac{1}{5}$ | 2. $\frac{3}{7} + \frac{1}{7}$ | 3. $\frac{1}{9} + \frac{7}{9}$ | 4. $\frac{2}{6} - \frac{1}{6}$ | 5. $\frac{2}{3} - \frac{1}{3}$ |
| 6. $\frac{5}{7} - \frac{2}{7} + \frac{1}{7}$ | 7. $\frac{4}{5} - \frac{3}{5} + \frac{1}{5}$ | 8. $\frac{1}{4} - \frac{1}{4}$ | 9. $\frac{3}{5} + \frac{2}{5}$ | 10. $\frac{3}{11} + \frac{2}{11} - \frac{4}{11}$ |

Exercise 21-Simplify the fractions

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|--------------------|---------------------|----------------------|---------------------|----------------------|
| 1. $\frac{6}{8}$ | 2. $\frac{20}{30}$ | 3. $\frac{15}{20}$ | 4. $\frac{9}{12}$ | 5. $\frac{8}{16}$ |
| 6. $\frac{30}{35}$ | 7. $\frac{7}{21}$ | 8. $\frac{80}{90}$ | 9. $\frac{45}{55}$ | 10. $\frac{30}{100}$ |
| 11. $\frac{5}{10}$ | 12. $\frac{33}{99}$ | 13. $\frac{25}{100}$ | 14. $\frac{14}{28}$ | 15. $\frac{8}{28}$ |





Exercise 22- Write each number as a number of wholes and a fraction

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|---------|--------|--------|--------|----------|
| 1. 1.5 | 2. 2.7 | 3. 0.8 | 4. 7.1 | 5. 0.9 |
| 6. 11.7 | 7. 5.5 | 8. 0.1 | 9. 6.0 | 10. 10.0 |

Exercise 23- Write down the next number in each sequence

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|--------------------|-------------------|------------------|--------------------|--------------------|
| 1.1, 1.3, 1.5.... | 2.3, 2.6, 2.9... | 4.5, 5.0, 5.5... | 3.6, 4.0, 4.4.... | 7.9, 8.1, 8.3.... |
| 0.3, 0.8, 1.3..... | 5.1, 4.8, 4.5.... | 5.4, 4.7, 4..... | 1.9, 1.4, 0.9..... | 3.4, 2.4, 1.4..... |

Exercise 24- Write down the answer to each of the following

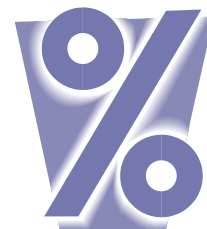
- | | | | | |
|----------------|-----------------|------------------|----------------|------------------|
| 1. $7.2 + 5.7$ | 2. $8.7 + 6.6$ | 3. $7.6 - 5.5$ | 4. $7.5 - 4.6$ | 5. $6.7 - 6.3$ |
| 6. $8 - 5.6$ | 7. $10.6 + 3.9$ | 8. $23.7 - 15.4$ | 9. $30 - 24.8$ | 10. $16.3 - 9.8$ |

Exercise 25- Round each number to the nearest ten

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|-----------|------------|---------|----------|-----------|
| 1. 63 | 2. 194 | 3. 4275 | 4. 49.7 | 5. 7.8 |
| 6. 67 887 | 7. 213 674 | 8. 36.9 | 9. 140.3 | 10. 299.9 |

Exercise 26- Round each number to the nearest hundred

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|----------|-----------|-----------|-----------|-----------|
| 1. 612 | 2. 1 455 | 3. 7 695 | 4. 18 987 | 5. 67.9 |
| 6. 2 111 | 7. 18 695 | 8. 10 018 | 9. 39 956 | 10. 891.1 |



Exercise 27- Round each number to the nearest whole number

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|---------|-----------|-----------|-----------|------------|
| 1. 61.2 | 2. 145.5 | 3. 769.5 | 4. 198.71 | 5. 67.922 |
| 6. 2.11 | 7. 18.695 | 8. 10.018 | 9. 399.56 | 10. 602.97 |

Exercise 28- Round each number to one decimal place

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|----------|----------|-----------|-----------|------------|
| 1. 6.12 | 2. 14.55 | 3. 76.95 | 4. 1.8987 | 5. 0.79 |
| 6. 2.011 | 7. 8.695 | 8. 10.018 | 9. 39.956 | 10. 10.891 |

Exercise 29- Use rounding to estimate each answer

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|----------------------|----------------------|------------------------|------------------------|----------------------|
| 1. 63×4 | 2. 95×8 | 3. 72×11 | 4. 18×19 | 5. 47×21 |
| 6. $8\,212 + 7\,984$ | 7. $2\,679 + 4\,122$ | 8. $10\,018 + 19\,972$ | 9. $39\,956 + 41\,870$ | 10. $89.11 + 43.9$ |
| 11. $69.6 - 41.8$ | 12. $59.34 - 18.8$ | 13. $3\,767 - 1\,904$ | 14. $15 - 8.99$ | 15. $285 - 199.99$ |
| 16. $33 \div 4$ | 17. $398 \div 10$ | 18. $62.99 \div 9.98$ | 19. $25 \div 3.99$ | 20. $3\,764 \div 98$ |

Exercise 30- Write each percentage as a fraction in its simplest form

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|---------|--------|--------|--------|---------|
| 1. 13 % | 2. 29% | 3. 1% | 4. 50% | 5. 35% |
| 6. 16% | 7. 8% | 8. 10% | 9. 25% | 10. 60% |

Exercise 31- Write down the equivalent percentage to each fraction

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|-----------|-----------|----------|----------|------------|
| 1. $1/10$ | 2. $1/2$ | 3. $1/4$ | 4. $1/3$ | 5. $1/100$ |
| 6. $2/3$ | 7. $3/10$ | 8. $1/5$ | 9. $4/5$ | 10. $1/20$ |



Exercise 32- Calculate

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|--------------------|-------------------|--------------------|----------------|--------------------------------|
| 1. 50% of £34 | 2. 25% of £64 | 3. 10% of £120 | 4. 1% of £300 | 5. 1% of £ 3 000 |
| 6. 50% of £13 | 7. 25% of £38 | 8. 10% of £ 39 | 9. 1% of £234 | 10. $33\frac{1}{3}\%$ of £ 36 |
| 11. 25% of £ 12.60 | 12. 25% of £13.80 | 13. 10% of £ 15.10 | 14. 1% of £ 11 | 15. $33\frac{1}{3}\%$ of £9.90 |

Exercise 33- Calculate

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|------------------|--------------------|-------------------------------|------------------------------|------------------------------|
| 1. 20% of £50 | 2. 30% of £60 | 3. 70% of £120 | 4. 5% of £300 | 5. 5% of £42 |
| 6. 15% of £20 | 7. 15% of £90 | 8. 15% of £ 18 | 9. 15% of £32 | 10. 15% of £ 126 |
| 11. 25% of £ 64 | 12. 75% of £64 | 13. $33\frac{1}{3}\%$ of £ 39 | 14. $66\frac{2}{3}\%$ of £39 | 15. $66\frac{2}{3}\%$ of £90 |
| 16. 15% of £3.40 | 17. 15% of £ 80.40 | 18. 15% of £210 | 19. 35% of £ 80 | 20. 45% of £ 20 |

Exercise 34- Find the percentage of wrong answers in a test if the percentage of correct answers is

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|--------|--------|--------|---------|---------|
| 1. 10% | 2. 45% | 3. 72% | 4. 97% | 5. 4% |
| 6. 0% | 7. 67% | 8. 83% | 9. 100% | 10. 99% |

Exercise 35- Arrange these numbers in order from smallest to largest

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|--------------------------|----------------------------|
| 1. -5, -7, 6, 0, -4 | 2. 18, -9, 9, 0, -14 |
| 3. 34, -34, 28, -28, -27 | 4. -43, -47, -41, -39, -50 |

Exercise 36- Write down the number exactly in the middle

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|-------------|-------------|--------------|-------------|---------------|
| 1. 6 and -6 | 2. 0 and -6 | 3. 4 and -12 | 4. 1 and -7 | 5. -5 and -11 |
|-------------|-------------|--------------|-------------|---------------|

Exercise 37- Write down the next number in these sequences

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|--------------------|-------------------|--------------------|---------------------|---------------------|
| 1. 5, 3, 1, -1.... | 2. 0, -5, -10.... | 3. -14, -11, -8... | 4. -21, -25, -29... | 5. -67, -57, -47... |
|--------------------|-------------------|--------------------|---------------------|---------------------|

