



# Numbers (part 2)

## Exercises

### Learning Skills

---

#### Introduction:

To reinforce what was learnt in [part 1](#) of this topic we have included some exercises for you to try out. Answers can be found at the end of this document. Contact one of our Maths Advisers if you have any problems.

#### 1. Write as numerals

- 1.1. two thousand one hundred and three
- 1.2. forty thousand five hundred and fourteen

#### 2. Write in expanded form

- 2.1. 634
- 2.2. 53 251

#### 3. Write in compact form

- 3.1.  $8 \times 10000 + 5 \times 100 + 9 \times 1$

#### 4. State the place value of the 3 in the following numbers

- 4.1. 8314
- 4.2. 24 113
- 4.3. 6234

#### 5. State the total value of the 6 in the following numbers

- 5.1. 85 635
- 5.2. 177 865
- 5.3. 63 012

## 6. Evaluate

- 6.1.  $120\,568 + 53\,214 + 6304$
- 6.2.  $9513 - 5951$
- 6.3.  $236 \times 51$
- 6.4.  $3616 \div 8$

## 7. Write in symbols then work out the answer

- 7.1. 6 minus 2
- 7.2. the sum of 8 and 4
- 7.3. divide 12 by 4
- 7.4. subtract 7 from 11
- 7.5. lots of 4
- 7.6. decrease 10 by 3
- 7.7. the product of 5 and 6
- 7.8. 4 less than 9
- 7.9. 12 take away 7
- 7.10. 9 times 8
- 7.11. 4 more than 3
- 7.12. 9 less 2
- 7.13. the difference between 20 and 35
- 7.14. increase 15 by 6
- 7.15. share 50 between 2
- 7.16. the total of 80 and 12

## 8. Find

- 8.1. the remainder when 95 is divided by 4
- 8.2. the remainder when 524 is divided by 7
- 8.3. the average of 3, 6, 9, 10
- 8.4. the average of 2, 4, 6, 7, 9, 10
- 8.5. all the factors of 36
- 8.6. the first common multiple of 6 and 9
- 8.7. is 33 prime or composite?

## 9. Evaluate

- 9.1.  $16 + 4 + 7 + 3$
- 9.2.  $15 - 10 + 6 - 7$
- 9.3.  $48 \div 6 \div 2 \div 2$
- 9.4.  $8 \times 3 \div 2 \times 4$
- 9.5.  $16 \div 8 \div 2 \times 7$
- 9.6.  $46 - 3 \times 8$
- 9.7.  $5 + 3 \times 7$
- 9.8.  $16 + 9 \div 3$
- 9.9.  $(6 - 2) \times 3$
- 9.10.  $8 \times (4 + 5)$
- 9.11.  $25 - (50 - 30)$

## 10. Answers

1.1. 2103

1.2. 40 514

2.1.  $6 \times 100 + 3 \times 10 + 4 \times 1$  or  $600 + 30 + 4$

2.2.  $5 \times 10000 + 3 \times 1000 + 2 \times 100 + 5 \times 10 + 1 \times 1$  or  
 $50\,000 + 3\,000 + 200 + 50 + 1$

3.1. 80 509

4.1. 100's

4.2. 1's

4.3. 10's

5.1. 600

5.2. 60

5.3. 60 000

6.1. 180 086

6.2. 3 562

6.3. 12 036

6.4. 452

7.1.  $6 - 2 = 4$

7.2.  $8 + 4 = 12$

7.3.  $12 \div 4$  or  $\frac{12}{4} = 3$

7.4.  $11 - 7 = 4$

7.5.  $3 \times 4 = 12$

7.6.  $10 - 3 = 7$

7.7.  $5 \times 6 = 30$

7.8.  $9 - 4 = 5$

7.9.  $12 - 7 = 5$

7.10.  $9 \times 8 = 72$

7.11.  $3 + 4 = 7$

7.12.  $9 - 2 = 7$

7.13.  $35 - 20 = 15$

7.14.  $15 + 6 = 21$

7.15.  $50 \div 2$  or  $\frac{50}{2} = 25$

7.16.  $80 + 12 = 9$

8.1. 3

8.2. 6

8.3. 7

8.4.  $6r^2$

8.5. 1, 2, 3, 4, 6, 9, 12, 18, 36

8.6. 18

8.7. Composite

9.1. 30

9.2. 4

9.3. 2

9.4. 48

9.5. 7

9.6. 22

9.7. 26

9.8. 19

9.9. 12

9.10. 72

9.11. 5

## 11. For more information

Visit our Learning Skills website at <http://www.csu.edu.au/division/studserv/maths/index.htm>

Part 1 of this document can be found at <http://www.csu.edu.au/division/studserv/maths/teachered.htm>

### Copyright

© Learning Skills, Charles Sturt University, (April 2009)