

## UNIT 8 *Arithmetic: Division of Decimals*

## Revision Test 8.1 (Standard)

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1. Find:

(a)  $3 \times 2 + 4 \times 6$

(b)  $5 \times 2 - 3 \times 2$

(c)  $4 \times 3 + 2 \times 9$

(6 marks)

2. Find:

(a)  $18 \div 3$

(b)  $24 \div 4$

(c)  $40 \div 5$

(d)  $18 \div 9$

(4 marks)

3. Find:

(a)  $369 \div 3$

(b)  $846 \div 2$

(c)  $488 \div 4$

(6 marks)

4. Find:

(a)  $180 \div 10$

(b)  $101 \div 10$

(c)  $1800 \div 100$

(d)  $18 \div 10$

(4 marks)

5. What is the remainder when 28 is divided by 6?

(2 marks)

6. Sarah borrows £40 from her mum. She pays it back at £5 per week. How many weeks does it take for her to repay the money?

(2 marks)

7. Tickets for a disco cost £4 each. How many tickets can you buy with £32?

(2 marks)

8. A giant packet of sweets contains 86 sweets. Two friends share them equally. How many sweets do they get each?

(2 marks)

9. £10 is given to 4 children to share equally. How much money do they get each?

(2 marks)

**UNIT 8** *Arithmetic: Division  
of Decimals***Revision Test 8.2**  
(Academic)

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1. Find:

(a)  $10 \div 5 + 3$

(b)  $3 \times 6 + 5 \times 7$

(c)  $40 \div 8 + 10 \div 2$

(d)  $8 \div 4 - 12 \div 6$

(8 marks)

2. Put brackets in this statement to make it true:

$3 + 12 \div 3 = 5$

(2 marks)

3. Find:

(a)  $486 \div 2$

(b)  $980 \div 4$

(c)  $848 \div 8$

(d)  $204 \div 12$

(8 marks)

4. What is the remainder when 95 is divided by 11?

(2 marks)

5. Find:

(a)  $8.4 \div 100$

(b)  $0.9 \div 100$

(c)  $13.2 \div 20$

(d)  $4.8 \div 400$

(6 marks)

6. A calculator costs £6. How many calculators can you buy with £100?

(2 marks)

7. £33 is shared equally between 5 children. How much do they get each?

(2 marks)

## UNIT 8 *Arithmetic: Division of Decimals*

## Revision Test 8.3 (Express)

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1. Find:

(a)  $27 \div 3 + 4 \times 7$

(b)  $81 \div 9 + 48 \div 8$

(c)  $21 \div 7 + 63 \div 7$

(6 marks)

2. Put in brackets to make each statement true:

(a)  $3 + 12 \div 3 = 5$

(b)  $3 \times 4 + 11 \div 5 = 9$

(4 marks)

3. Find:

(a)  $1125 \div 9$

(b)  $24\,156 \div 12$

(c)  $3263 \div 13$

(6 marks)

4. Find  $91 \div 8$ , giving your answer as a decimal.

(2 marks)

5. What is the remainder when 101 is divided by 16?

(2 marks)

6. Find:

(a)  $4 \div 1000$

(b)  $18.24 \div 10$

(c)  $22 \div 40$

(d)  $320 \div 8000$

(6 marks)

7. There are 7 buses to carry 266 people. An equal number of people travel on each bus.

How many people travel on each bus?

(2 marks)

8. A textbook costs £4.80. A school has £130 to spend on these books.

How many books can the school buy?

(2 marks)

## Revision Test 8.1 (Standard)

## Answers

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- |              |       |           |
|--------------|-------|-----------|
| 1. (a) 30    | B1 B1 |           |
| (b) 4        | B1 B1 |           |
| (c) 30       | B1 B1 | (6 marks) |
| 2. (a) 6     | B1    |           |
| (b) 6        | B1    |           |
| (c) 8        | B1    |           |
| (d) 2        | B1    | (4 marks) |
| 3. (a) 123   | B2    |           |
| (b) 423      | B2    |           |
| (c) 122      | B2    | (6 marks) |
| 4. (a) 18    | B1    |           |
| (b) 10.1     | B1    |           |
| (c) 18       | B1    |           |
| (d) 1.8      | B1    | (4 marks) |
| 5. 4         | B2    | (2 marks) |
| 6. 8 weeks   | M1 A1 | (2 marks) |
| 7. 8 tickets | M1 A1 | (2 marks) |
| 8. 43 sweets | M1 A1 | (2 marks) |
| 9. £2.50     | M1 A1 | (2 marks) |

**(TOTAL MARKS 30)**

## Revision Test 8.2 (Academic)

## Answers

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- |                          |       |           |
|--------------------------|-------|-----------|
| 1. (a) 5                 | B1 B1 |           |
| (b) 53                   | B1 B1 |           |
| (c) 10                   | B1 B1 |           |
| (d) 0                    | B1 B1 | (8 marks) |
|                          |       |           |
| 2. $(3 + 12) \div 3 = 5$ | B2    | (2 marks) |
|                          |       |           |
| 3. (a) 243               | B2    |           |
| (b) 245                  | B2    |           |
| (c) 106                  | B2    |           |
| (d) 17                   | B2    | (8 marks) |
|                          |       |           |
| 4. 7                     | B2    | (2 marks) |
|                          |       |           |
| 5. (a) 0.084             | B1    |           |
| (b) 0.009                | B1    |           |
| (c) 0.66                 | B2    |           |
| (d) 0.012                | B2    | (6 marks) |
|                          |       |           |
| 6. 16 calculators        | M1 A1 | (2 marks) |
|                          |       |           |
| 7. £6.60                 | M1 A1 | (2 marks) |

**(TOTAL MARKS 30)**

## Revision Test 8.3 (Express)

## Answers

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- |                                    |       |           |
|------------------------------------|-------|-----------|
| 1. (a) 37                          | B1 B1 |           |
| (b) 15                             | B1 B1 |           |
| (c) 12                             | B1 B1 | (6 marks) |
|                                    |       |           |
| 2. (a) $(3 + 12) \div 3 = 5$       | B2    |           |
| (b) $3 \times (4 + 11) \div 5 = 9$ | B2    | (4 marks) |
|                                    |       |           |
| 3. (a) 125                         | B2    |           |
| (b) 2013                           | B2    |           |
| (d) 251                            | B2    | (6 marks) |
|                                    |       |           |
| 4. 11.375                          | B2    | (2 marks) |
|                                    |       |           |
| 5. 5                               | B2    | (2 marks) |
|                                    |       |           |
| 6. (a) 0.004                       | B1    |           |
| (b) 1.824                          | B1    |           |
| (c) 0.55                           | B2    |           |
| (d) 0.04                           | B2    | (6 marks) |
|                                    |       |           |
| 7. 38 people                       | M1 A1 | (2 marks) |
|                                    |       |           |
| 8. 27 books                        | M1 A1 | (2 marks) |

**(TOTAL MARKS 30)**