# 🔆 Number N1.1

# Place value, ordering and rounding

- Reading whole numbers with more than 3 digits
- Adding and subtracting whole numbers
- Multiplying and dividing by 10, 100 and 1000
- Rounding numbers to the nearest 10, 100 or 1000

**Keywords** 

You should know

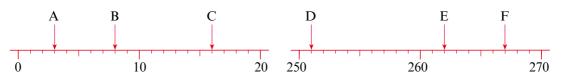
#### explanation 1

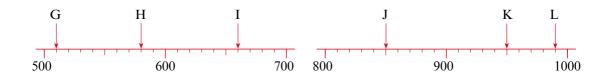
- 1 Write the value of each underlined digit.
  - **a** 1238
- **b** 9145
- c 13695
- d 15247

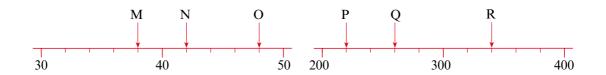
- e 32126
- **f** 35625
- **g** 42 765
- **h** 643<u>8</u>6
- **2** Write the numbers from question **1** in words. The first one has been done for you.
  - a 1238 is one thousand, two hundred and thirty-eight.
- **3** Write these numbers from question **1** in order of size. Start with the smallest.
  - **a** 13 695, 32 126, 9145, 64 386
  - **b** 42765, 1238, 15247, 35625
- 4 Write these numbers in digits.
  - a Four thousand, three hundred and five
  - **b** Four hundred and seventy-six
  - **c** Thirty-two thousand and twenty
  - d Eight thousand, three hundred and eleven
  - e Five hundred thousand and six
  - f Sixteen thousand, two hundred and three

### explanation 2

**5** Write the number shown by each arrow.







## explanation 3

**6** Work out these additions.

**7** Work out these subtractions.

**8** Work out these additions and subtractions. Which calculation is the odd one out?

$$328 + 534$$

- **9** Each column, row and diagonal in a magic square add up to the same number. Copy and complete these magic squares.
  - a Magic number = 18

| 7 |   |   |
|---|---|---|
|   | 6 |   |
| 3 |   | 5 |

**b** Magic number = 21



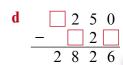
c Magic number =  $\square$ 

| 8 |   |   |
|---|---|---|
|   | 5 |   |
|   | 7 | 2 |

Magic number =  $\square$ 



10 Find the missing digits in these additions and subtractions.



explanation 4a

explanation 4b

**11** Work these out.

d 
$$452 \times 10$$

**f** 
$$28 \times 100$$

$$\mathbf{g} \quad 37\,500 \div 100$$

**12** Work these out.

a 
$$12 \times 100$$

f 
$$74500 \times 100$$

**g** 
$$340 \times 100$$

$$h \quad 810 \times 100$$

**13** A car on a motorway travels 28 m every second. Work out how far it travels in these times.

a 10 seconds

**b** 1 minute 40 seconds

1 minute = 60 seconds

**14** James is learning to play the piano. He practises for 10 hours a week.

a How long does he practise in four weeks?

**b** How long does he practise in a year?

There are 52 weeks in a year.

explanation 5

**15** Work these out.

**d** 
$$25 \times 1000$$

**f** 
$$34\,000 \div 1000$$

$$23\,900 \div 100$$

**16** What is each missing number?

**a** 
$$\square \times 10 = 3200$$

**b** 
$$27\,000 \div \square = 27$$

c 
$$100 \times \square = 45000$$

**d** 
$$\Box \div 1000 = 653$$

e 
$$10 \times \square = 9500$$

**f** 
$$\Box \div 10 = 86$$

**g** 
$$420 \times \square = 4200$$

**h** 
$$\Box \div 16 = 10$$

i 
$$2800 \div \square = 100$$

**17** A group of 100 children went on a school trip to a theme park.

The total cost of the trip was £1200. How much did each child pay?

- 18 Diesel costs 98p per litre. A truck driver pays for 1000 litres.
  - What is the cost in pence?

£1 = 100p

What is the cost in pounds?

explanation 6a

explanation 6b

- **19** Write each number to the nearest 10. Use the diagram to help you.
  - 13

27

45

**d** 58

- 42
- f

64

- h 15
- **20** Write each number to the nearest 10. Use the diagram to help you.
  - 1623
- 1639
- 1644
- 1602

- 1654
- 1618
- 1597

1630

1645

- **21** Write each number to the nearest 100. Use the diagram to help you.
  - 162
- h 349
- 274

**d** 563

- 92
- 251
- 145

400

h 46

- **22** Mr Harrison is the Head at Northfield school. He wants to know approximately how many merits have been awarded to pupils aged 12 this year.
  - Round the number of merits for each class to the nearest 100.

300

- 7A had 237
- 7B had 382
- 7C had 195
- 7D had 450 iv
- Estimate how many merits have been given to pupils aged 12 this year.
- **23** Here are the crowd figures for the first game in one football season.

Round each one to the nearest 1000.

- Real Madrid: 64867
- **b** Le Mans: 32 131
- Hamburg: 49713

- Millwall: 10012
- e Luton Town: 8131
- Stoke City: 8971