

**Place value**

Given the number 47823,

- a) What is the place value of the figure 7?
- b) What is the place value of the figure 2?

Given the number 207.0439,

- c) What is the place value of the figure 9?
- d) What is the place value of the figure 4?
- e) Write 417056 using words.

**Prime numbers**

a) Identify the prime numbers:

5, 8, 9, 11, 12, 23

Express as a product of primes, using indices where appropriate:

- b) 30
- c) 24
- e) 231

**Calculation**

Use a handwritten method to calculate:

- a)  $277 + 146 =$
- b)  $527 - 346 =$
- c)  $7 \times 38 =$
- d)  $2718 \div 9 =$

**Directed numbers**

Evaluate:

- a)  $-5 + 8 =$
- b)  $7 - (-4) =$
- c)  $3 \times (-6) =$
- d)  $(-18) \div (-2) =$
- e)  $(-4) \times (-2) \times (-3) =$

**Common factors**

a) List the common factors of 12 and 30

Find the highest common factor of:

- b) 15 and 24
- c) 18 and 42
- d) 36 and 65

**Standard form**

Write as an ordinary number:

- a)  $3 \times 10^2 =$
- b)  $1.72 \times 10^6 =$
- c)  $8 \times 10^{-3} =$
- d)  $6.03 \times 10^{-2} =$

Write in standard form:

- e) 4702 =
- f) 0.000101 =
- g) 9 =
- h) 845000 =

Write in correct standard form:

- i)  $53.7 \times 10^2 =$
- j)  $0.0014 \times 10^{-2} =$

**Comparing numbers**

Rewrite in ascending order:

- a) 9, 17, 3, 11, 13
- b) 0.4, 0.42, 0.24, 0.04, 0.024

Rewrite in descending order:

- c) 4, -2, -3, 2, -7

Use =, <, or > to compare the numbers:

- d) 50134 \_\_\_\_ 50304
- e) 0.62 \_\_\_\_ 0.071
- f) -5.2 \_\_\_\_ 1.8

**Common multiples**

Find the lowest common multiple of:

- a) 3 and 7
- b) 8 and 10
- c) 12 and 15

**Order of operations**

Evaluate:

- a)  $7 + 3 \times 4 =$
- b)  $17 - 4^2 + 6 =$
- c)  $2 \times 7 - 10 \div 5 =$
- d)  $11 - (2 - 6)^2 =$
- e)  $2 + 7 \times 10 - 5 =$