Exercise 2.5

1 Calculate each of the following

(ii)
$$3 - 3$$

(iv)
$$3 \div 3$$

(v)
$$3^3$$

(i)
$$2^2 + 3^2$$

(ii)
$$2^3 + 3^2$$

(iii)
$$3^2 + 4^2$$

(iv)
$$1^2 + 1^{10}$$

(v)
$$1^2 \times 3^2$$

(vi)
$$5^2 \times 2^2$$

(i)
$$3 + 4 \times 2$$

(ii)
$$5 + 6 \times 3$$

(iii)
$$7 \times 2 - 4$$

(iv)
$$2 \times (6 - 2)$$

(i)
$$21 + 8 \times 2$$

(iii)
$$10 \div 5 + 3 \times 4$$

(iv)
$$20 \div 10 + 5 \times 2$$

(i)
$$45 \div (3 + 2)$$

(ii)
$$5 \times 4 + 24 \div 8$$

(iii)
$$5(6) + 2(6) + 7(6)$$

(iv)
$$50 \div 10 + 2$$

(v)
$$98 \div (3 + 4)^2$$

Use the operators + , - and \times .

Use the operators \div , + and -

Revision Exercises

1. (a) Find, without using a calculator, the value of each of the following:

- (i) 243 + 178
- (ii) 7×6
- (iii) $24 \div (9 7)$
- (iv) 3⁴
- (v) $(5)(6) \div 3$
- (vi) $3 + 2 \times 3^2$
- (b) What number is halfway between 16 and 30?

2. Jakub makes a **four-digit** password, using the digits of his date of birth:

2	5	1	0	9	8

He doesn't use any digit more than once.

- (a) Write down a password Jakub could make that is:
 - (i) An odd number
 - (ii) A multiple of 5
- (b) Write down the **largest** number that Jakub could use as a password.