Squares, Cubes and Roots

Write down the value of:

- 5^2 (a)
- 2^3 (b)
- 3^2 (c)
- 6^3 (d)
- 12 (e)
- 73 (f)
- 92 (g)
- 3^3 (h)
- 8^2 (i)
- 43 (j)

Write down the value of:

- $\sqrt{9}$ (a)
- $\sqrt[3]{125}$ (b)
- $\sqrt{49}$ (c)
- ³√512 (d)
- (e) $\sqrt{25}$
- $\sqrt[3]{8}$ (f)
- $\sqrt{81}$ (g)
- $\sqrt[3]{64}$ (h)
- $\sqrt{121}$ (i)
- $\sqrt[3]{729}$ (i)
- (a) When you subtract one square What are the two square numbers?
- (b) Write down a number that you can cube to give an answer between 400 and
- (c) Find two square numbers that have exactly one cube number between them.
- (e) The square of a positive number is twice as big as the cube of that number. What is the number?

Write down the value of:

Squares, Cubes and Roots

Write down the value of:

 5^2

 3^2

12

92

 8^2

(a)

(c)

(e)

(g)

(i)

- $\sqrt{9}$ (a)
- $\sqrt[3]{125}$ (b)

 2^3

 6^3

 7^3

 3^3

43

(b)

(d)

(f)

(h)

(j)

- $\sqrt{49}$ (c)
- ³√512 (d)
- $\sqrt{25}$ (e)
- $\sqrt[3]{8}$ (f)
- $\sqrt{81}$ (g)
- $\sqrt[3]{64}$ (h)
- $\sqrt{121}$ (i)
- ³√729 (i)

- number from another the answer is 35.
- 600.
- (d) Work out the square root of 64, then cube it.

- (a) When you subtract one square number from another the answer is 35. What are the two square numbers?
- (b) Write down a number that you can cube to give an answer between 400 and 600.
- (c) Find two square numbers that have exactly one cube number between them.
- (d) Work out the square root of 64, then cube it.
- (e) The square of a positive number is twice as big as the cube of that number. What is the number?

Complete the pattern:

$$1 + 3 =$$

$$1 + 3 + 5 =$$

$$1 + 3 + 5 + 7 =$$

Continue the pattern. What do you notice?

Complete the pattern:

1

$$1 + 3 =$$

$$1 + 3 + 5 =$$

$$1 + 3 + 5 + 7 =$$

Continue the pattern. What do you notice?