

Prime, Square and Cube Numbers

Challenge 1

1 Work out the answers to these square numbers.

a) $7^2 =$ _____ b) $6^2 =$ _____ c) $5^2 =$ _____

2 Work out the answers to these cube numbers.

a) $2^3 =$ _____ b) $3^3 =$ _____ c) $4^3 =$ _____

3 Peter says that 26 is a prime number. Why is Peter wrong?

4 Use $>$, $<$ or $=$ to make these statements correct.

a) 4^2 2^2 b) 8^2 4^3 c) 3^3 5^2



Marks...../10

Challenge 2

1 Answer these.

a) $2^3 + 5^2 =$ _____

b) $4^2 + 2^3 =$ _____

c) $7^2 - 2^3 =$ _____



2 Circle all the square numbers.



3 Use $>$, $<$ or $=$ to make these statements correct.

a) 5^3 9^2

b) 3^3 6^2

c) 7^2 4^3



Marks...../7

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Challenge 3

1 Work out the answers to these problems.

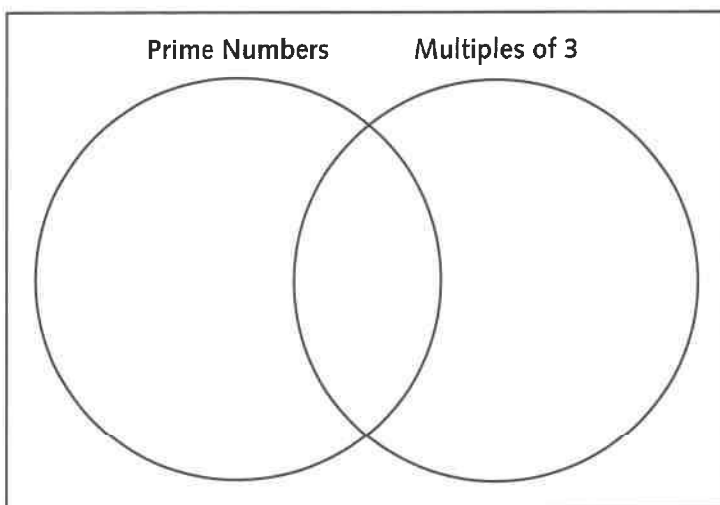
a) $3^2 + 4^3 - 5^2 =$ _____

b) $4^3 - 8^2 + 7^2 =$ _____

2 Put a number less than 30 in each box to make the statement correct.

Prime number		+	Square number	=	Square number

3 Put numbers 1–20 into the Venn diagram.



4 Circle the prime numbers.



2 marks



2 marks



3 marks



1 mark

Marks..... /8

Total marks /25

How am I doing?

