1 $4^3 =$

4 x 4 x 4
1 6 x 4

```
    1 6
x     4
──────
    6 4
     2
```

| 64 |

1 mark

2 $5^2 - 12 =$

2 5 - 1 2

| 13 |

1 mark

3 $3^3 + 2^2 =$

2 7 + 4

| 31 |

1 mark

4 Here is a list of five numbers.

2   3   4   5   6

Write down the numbers from the list that are **prime** numbers.

2, 3 and 5

1 mark

5 Here is a list of five numbers.

19   21   23   24   27

Write down the numbers from the list that are **prime** numbers.

19 and 23

1 mark

6 Write down all the **prime** numbers between 20 and 30.

23 and 29

1 mark

7 Circle the **prime** number.

81   (83)   85

Explain how you know the other numbers are not **prime**.

81 is divisible by 9 (and 3 and 27)

85 is divisible by 5 (and 17)

1 mark

8 Here is a list of five numbers.

<div align="center">4   10   15   19   25</div>

Write down the numbers from the list that are **multiples of 5.**

> 10, 15 and 25

1 mark

9 Here is a list of five numbers.

<div align="center">2   3   4   5   6</div>

Write down the numbers from the list that are **factors of 12.**

> 2, 3, 4 and 6

1 mark

10 Write down all the **multiples of 6** between 20 and 40.

> 24, 30 and 36

1 mark

11 Write down all the **factors of 10**.

> 1, 2, 5 and 10

1 mark

12 A **prime** number and a **square** number have a total of 19

What are the two numbers?

$$\boxed{3} + \boxed{16} = 19$$

prime number   square number

1 mark

13 Write three factors of 50 that are not factors of 25

| 2 | 10 | 50 |

2 marks

14 Write three factors of 20 that are not factors of 24

| 5 | 10 | 20 |

2 marks

15 Harry is thinking of a number.

The number is a factor of 48 between 10 and 20

Which two numbers could Harry be thinking of?

12 and 16

1 mark

16 Tick the numbers that are common factors of both **12 and 20.**

2 ☑

3 ☐

4 ☑

5 ☐

6 ☐

2 marks

17 Write down two **common multiples** of 6 and 8.

24 and 48

1 mark

or: 72,96,120,144...