Q1.

1 and 35 is a factor pair of 35

What is the other factor pair of 35?

☐ and ☐

1 mark

Q2.

Tick the numbers that are common factors of both **12 and 18**

2 ☐

3 ☐

6 ☐

9 ☐

12 ☐

2 marks

Q3.

A number **multiplied by itself** gives the answer **49**

Circle the number.

2   3   4   5   6   7   8   9

1 mark

Q4.

A **square** number and a **prime** number have a total of 22

What are the two numbers?

[_____]	+	[_____]	= 22

square number   prime number

<div align="right">1 mark</div>

Q5.

Circle the **two** prime numbers.

29   39   49   59   69

<div align="right">1 mark</div>

Q6.

What is 8 squared + 6 squared?   2 marks

Q7.

What is 7 cubed?   1 mark

Q8.

What is 12 cubed add to 5 cubed?   2 marks

Mark schemes

Q1.

5 and 7

Numbers may be written in either order.

[1]

Q2.

Award **TWO** marks for only three correct boxes ticked, as shown:

2 ✓

3 ✓

6 ✓

9 ☐

12 ☐

Award **ONE** mark for:

• only two correct boxes ticked and no incorrect boxes ticked

OR

• three correct boxes ticked and one incorrect box ticked.

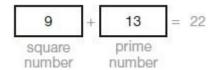*Accept alternative unambiguous positive indications, e.g. Y.*
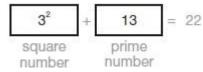
Up to 2 marks

[2]

Q3.

2 3 4 5 6 ⑦ 8 9

[1]

Q4.

Both numbers correct as shown:

9 + 13 = 22

square number   prime number

Numbers must be in the correct order.

Do not *accept:*

3²		+	13		= 22

square
number   prime
number

[1]

Q5.

Two numbers circled as shown:

(29) 39   49 (59) 69

> ***Do not*** *award the mark if additional incorrect numbers are circled.*
>
> *Accept alternative unambiguous indications, eg numbers ticked, crossed or underlined.*

[1]