STIRLING TUITION

Q1 (Number Work) Day 68 Name: _____

---

1. A **square number** can be added to a **prime number** to make **6**. There are **two ways** of doing this. **One of the ways** is given below:

1 + 5 = 6

What **other** square number can be added to a prime number to give 6? Write your answer in the spaces below.

_____ + _____ = 6

---

2. A **triangular number** can be added to a **prime number** to make **6**. There are **two ways** of doing this. **One of the ways** is given below:

3 + 3 = 6

What **other** triangular number can be added to a prime number to give 6? Write your answer in the spaces below.

_____ + _____ = 6

---

3. A **square number** can be added to a **prime number** to make **14**. There are **two ways** of doing this. **One of the ways** is given below:

1 + 13 = 14

What **other** square number can be added to a prime number to give 14? Write your answer in the spaces below.

_____ + _____ = 14

---

4. A **square number** can be added to a **triangular number** to make **10**. There are **two ways** of doing this. **One of the ways** is given below:

9 + 1 = 10

What **other** square number can be added to a triangular number to give 10? Write your answer in the spaces below.

_____ + _____ = 10

---

5. A **square number** can be added to a **prime number** to make **27**. There are **two ways** of doing this. **One of the ways** is given below:

25 + 2 = 27

What **other** square number can be added to a prime number to give 27? Write your answer in the spaces below.

_____ + _____ = 27

---

6. A **triangular number** can be added to a **prime number** to make **13**. There are **two ways** of doing this. **One of the ways** is given below:

6 + 7 = 13

What **other** triangular number can be added to a prime number to give 13? Write your answer in the spaces below.

_____ + _____ = 13

---

7. A **square number** can be added to a **triangular number** to make **22**. There are **two ways** of doing this. **One of the ways** is given below:

1 + 21 = 22

What **other** square number can be added to a triangular number to give 22? Write your answer in the spaces below.

_____ + _____ = 22

---

8. A **square number** can be added to a **prime number** to make **54**. There are **three ways** of doing this. **Two of the ways** are given below:

1 + 53 = 54 49 + 5 = 54

What **other** square number can be added to a prime number to give 54? Write your answer in the spaces below.

_____ + _____ = 54

---

9. A **triangular number** can be added to a **prime number** to make **32**. There are **four ways** of doing this. **Three of the ways** are given below:

21 + 11 = 32 3 + 29 = 32 1 + 31 = 32

What **other** triangular number can be added to a prime number to give 32? Write your answer in the spaces below.

_____ + _____ = 32

---

10. A **square number** can be added to a **prime number** to make **77**. There are **four ways** of doing this. **Three of the ways** are given below:

4 + 73 = 77 36 + 41 = 77 64 + 13 = 77

What **other** square number can be added to a prime number to give 77? Write your answer in the spaces below.

_____ + _____ = 77

---

11. A **square number** can be added to a **triangular number** to make **40**. There are **two ways** of doing this. **One of the ways** is given below:

4 + 36 = 40

What **other** square number can be added to a triangular number to give 40? Write your answer in the spaces below.

_____ + _____ = 40

---

12. A **triangular number** can be added to a **prime number** to make **40**. There are **two ways** of doing this. **One of the ways** is given below:

21 + 19 = 40

What **other** triangular number can be added to a prime number to give 40? Write your answer in the spaces below.

_____ + _____ = 40

STIRLING TUITION

Answers

1.	**4**	**2**
2.	**1**	**5**
3.	**9**	**5**
4.	**4**	**6**
5.	**16**	**11**
6.	**10**	**3**
7.	**16**	**6**
8.	**25**	**29**
9.	**15**	**17**
10.	**16**	**61**
11.	**25**	**15**
12.	**3**	**37**