Name: _____

ASM Tuition Academy

NEGATIVE NUMBERS

Instructions:

- Use **black** ink or ball-point pen.
- Answer all the questions.
- Answer the questions in the spaces provided
  - there may be more space than you need.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all you're working out.**

Information:

- The marks for each question are shown in brackets
  - use this as a guide as to how much time to spend on each question.

Advice:

- Read each question carefully before you start to answer it.
- Keep an eye on time.
- Try to answer every question.
- Check your answers if you have time at the end.

Q1. Work out 6 – 11

(Total for Question 1 is 1 mark)

Q2. Work out -8 + 5

(Total for Question 2 is 1 mark)

Q3. Work out -9 – 12

(Total for Question 3 is 1 mark)

Q4. Work out -3 + -10

(Total for Question 4 is 1 mark)

Q4. Work out 8 – (-7)

(Total for Question 5 is 1 mark)

Q6. Work out -6 – (-13)

(Total for Question 6 is 1 mark)

Q7. Work out -4 + 9

(Total for Question 7 is 1 mark)

Q8. Work out 15 - -5

(Total for Question 8 is 1 mark)

Q9. Use: -6, -3, 3, 6
□ + □ = -9

(Total for Question 9 is 1 mark)

Q10. Use: -8, -1, 1, 8
□ + □ = -7

(Total for Question 10 is 1 mark)

Q11. Use: -7, -5, 5, 7
□ - □ = -12

(Total for Question 11 is 1 mark)

Q12. Use: -10, -4, 4, 10
□ - □ = 14

(Total for Question 12 is 1 mark)

Q13. Work out 6 × -5

(Total for Question 13 is 1 mark)

Q14. Work out -8 × 4

(Total for Question 14 is 1 mark)

Q15. Work out -3 × -7

(Total for Question 15 is 1 mark)

Q16. Work out -5 × 8

(Total for Question 16 is 1 mark)

Q17. Work out -36 ÷ 6

(Total for Question 17 is 1 mark)

Q18. Work out -30 ÷ 5

(Total for Question 18 is 1 mark)

Q19. Work out -56 ÷ -8

(Total for Question 19 is 1 mark)

Q20. Work out -3 × 5 × -4

(Total for Question 20 is 1 mark)

Q21. 5 × □ = -15

(Total for Question 21 is 1 mark)

Q22. -12 × □ = -24

(Total for Question 22 is 1 mark)

Q23. -7 × □ = 28

(Total for Question 23 is 1 mark)

Q24. □ × 9 = -18

(Total for Question 24 is 1 mark)

Q25. □ ÷ -3 = 7

(Total for Question 25 is 1 mark)

Q26. 36 ÷ □ = -9

(Total for Question 26 is 1 mark)

Q27. Continue: 13, 7, 1, ___

(Total for Question 27 is 2 marks)

Q28. Continue: -18, -10, -2, __

(Total for Question 28 is 2 marks)

Q29. Complete: -13, -5, 3, ___

(Total for Question 29 is 1 mark)

Q30. Complete: 20, 5, -40, ___

(Total for Question 30 is 1 mark)

Q31. Temperature drops from -5°C to 8°C lower. New temp: ___°C (1 mark)

(Total for Question 31 is 1 mark)

Q32. Temperature rises from -4°C by 6°C. New temp: ___°C

(1 mark)

(Total for Question 32 is 1 mark)

Q33. Difference between -3°C (night) and 7°C (day): ___°C (1 mark)

(Total for Question 33 is 1 mark)

Q34. The following shows the temperature in four cities on a day in January.:

Oslo (-5°C), Keelung (6°C), London (2°C), Islamabad (-3°C)

(a) Write down the name of the city with the lowest temperature.

(b) Difference between Islamabad and Keelung: __°C

(c) Islamabad temp after 4°C increase: __°C

(Total for Question 34 is 3 marks)

Q35. The table shows the temperature at midnight and midday on December 2nd, 2020, in four countries.

City	Midday Temperature	Midnight Temperature
Japan	-9 °C	-6 °C
France	-3 °	4 °C
Netherlands	4 °C	8°C
Italy	-4 °C	1 °C

(a) Write down the name of the city with the lowest midnight temperature.

(b) Which city had the greatest rise in temperature from midnight to midday?

(c) At midnight, how many degrees colder was Japan than Netherlands

(Total for Question 35 is 3 marks)

Q36. The table shows the temperature at midnight on 1 November 2019 in cities.

City	Temperature
Tokyo	-6 °C
Delhi	3 °C
Shanghai	-2 °C
Dhaka	7 °C

(a) Write down the name of the coldest city.

(b) Work out the difference between the temperature in Shanghai and Dhaka

(Total for Question 36 is 2 marks)