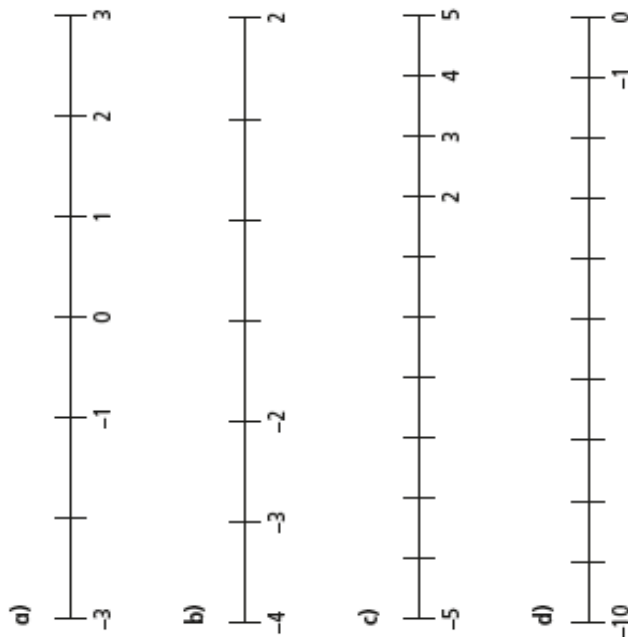


Maths Tasks and Challenges:

Task 1:

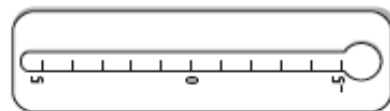
1 Complete the number lines.



2 Complete the temperature labels on the thermometer.

Circle the warmest temperature in each pair.

- a) 2°C 4°C d) -3°C 0°C
 b) 5°C 0°C e) 4°C -1°C
 c) -1°C 1°C f) -4°C 1°C



3 a) Tommy is counting backwards in 1s starting from 4
Write the first five numbers that Tommy will say.

b) Annie is counting backwards in 2s starting from 4
Write the first five numbers Annie will say.

c) Alex is counting forwards in 3s starting from -4
Write the first five numbers Alex will say.

4 Rosie has labelled a number line.



What mistake has Rosie made?

5 Write the next three terms in each sequence.

- a) 20, 15, 10 ... d) 7, 4, 1 ...
 b) -10, -8, -6 ... e) 75, 50, 25 ...
 c) -7, -5, -3, ...

6 The temperature in London is 5°C .

- a) The temperature in Birmingham is 8°C warmer than London.
What is the temperature in Birmingham?
 b) The temperature in Manchester is 8°C colder than London.
What is the temperature in Manchester?

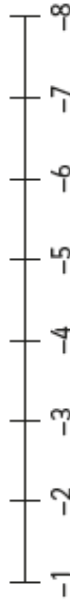
Negative numbers



Task 2:

- 3 a) Tommy is counting backwards in 1s starting from 4
Write the first five numbers that Tommy will say.
- b) Annie is counting backwards in 2s starting from 4
Write the first five numbers Annie will say.
- c) Alex is counting forwards in 3s starting from -4
Write the first five numbers Alex will say.

- 4 Rosie has labelled a number line.



What mistake has Rosie made?

- 5 Write the next three terms in each sequence.

- a) 20, 15, 10 ... d) 7, 4, 1 ...
- b) $-10, -8, -6$... e) 75, 50, 25 ...
- c) $-7, -5, -3$, ...

- 6 The temperature in London is 5°C .

- a) The temperature in Birmingham is 8°C warmer than London.
What is the temperature in Birmingham?
- b) The temperature in Manchester is 8°C colder than London.
What is the temperature in Manchester?

7

Teddy is counting backwards.



three, two, one,
negative one,
negative two ...

What mistake has Teddy made? Talk about it with a partner.

8

Whitney is counting backwards in 10s from 37

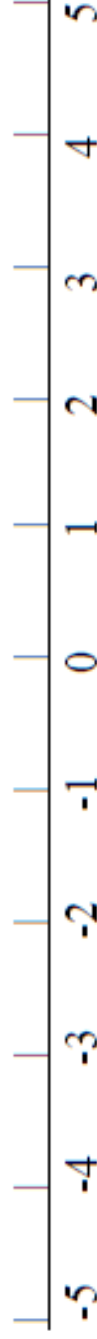


37, 27, 17,
7, -7 , -17

Is Whitney correct?

Write the numbers she should say, to check your answer.

Working with Negative Numbers



Task 3

Use the number line above to help you (if you need it).

1. $2 - 3 =$

2. $1 - 4 =$

3. $4 - 5 =$

4. $3 - 6 =$

5. $2 - 7 =$

6. $1 - 4 =$

7. $3 - 4 =$

8. $1 - 2 =$

9. $5 - 7 =$

10. $4 - 6 =$

11. $5 - 3 =$

12. $4 - 2 =$

13. $-1 - 3 =$

14. $-4 - 1 =$

15. $-2 - 2 =$

16. $3 - 5 =$

17. $-4 + 2 =$

18. $-2 + 5 =$

19. $-1 + 3 =$

20. $-3 + 7 =$

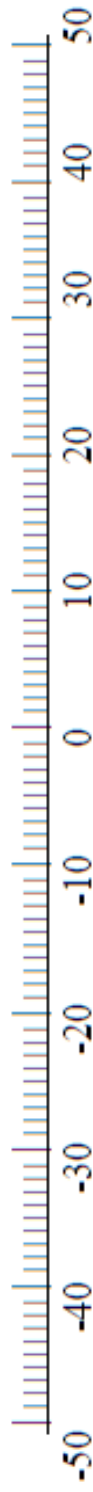
21. $-5 + 4 =$

22. $-2 + 6 =$

23. $-5 + 1 =$

24. $0 - 3 =$

25. $-5 + 5 =$



Use the number line above to help you (if you need it).

Task 4:

1. $10 - 10 =$

2. $5 - 10 =$

3. $5 - 20 =$

4. $15 - 30 =$

5. $10 - 40 =$

6. $30 - 35 =$

7. $10 - 35 =$

8. $25 - 50 =$

9. $35 - 20 =$

10. $30 - 55 =$

11. $5 - 7 =$

12. $8 - 9 =$

24. $43 - 20 =$

25. $23 - 39 =$

26. $-15 + 30 =$

27. $-20 + 25 =$

28. $-5 + 39 =$

29. $-10 + 38 =$

30. $-36 + 45 =$

31. $-7 + 2 =$

32. $-26 + 15 =$

33. $-18 + 45 =$

34. $-19 + 30 =$

35. $-34 + 32 =$