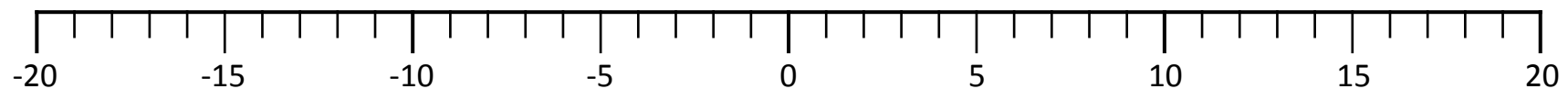
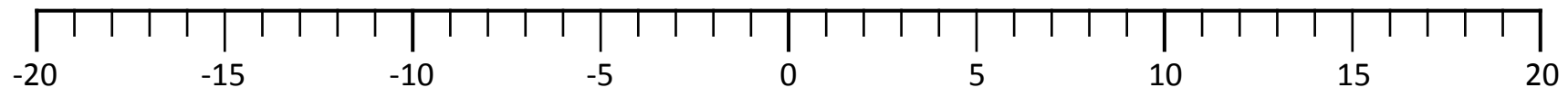
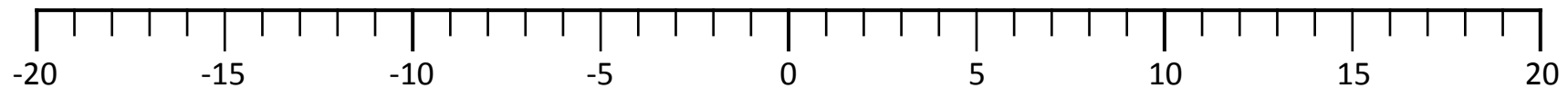
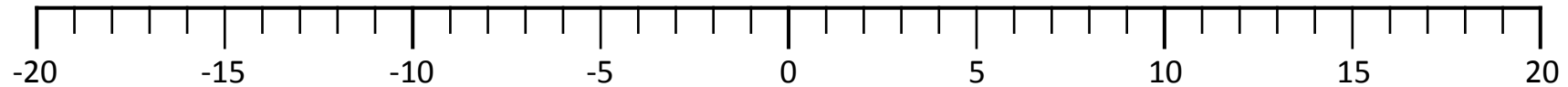
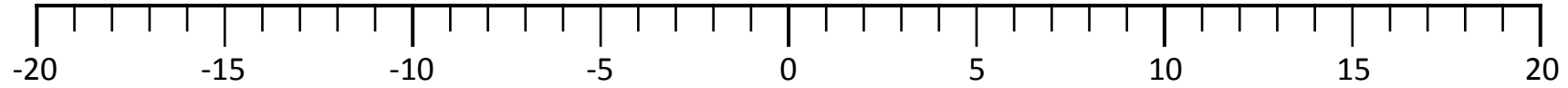


# -20 to 20 lines



# Negative numbers

## Sheet 1

1. At noon, the temperature was  $7^{\circ}\text{C}$ . By midnight the temperature had fallen by  $10^{\circ}\text{C}$ . What was the temperature at midnight?
2. On Monday the temperature in London was  $4^{\circ}\text{C}$ . In Aberdeen the temperature was  $-4^{\circ}\text{C}$ . What was the difference in temperature?
3. On Tuesday, the temperature in Birmingham was  $5^{\circ}\text{C}$ . It was 8 degrees colder in Glasgow. What was the temperature in Glasgow?
4. This table shows the maximum and minimum temperatures for a town in Finland:

Season	Maximum temperature	Minimum temperature
Winter	$3^{\circ}\text{C}$	$-23^{\circ}\text{C}$
Spring	$7^{\circ}\text{C}$	$-10^{\circ}\text{C}$
Summer	$19^{\circ}\text{C}$	$6^{\circ}\text{C}$
Autumn	$11^{\circ}\text{C}$	$-5^{\circ}\text{C}$

- a) Which season has the lowest minimum temperature?
  - b) Which of autumn or spring has the lowest minimum temperature?
  - c) What is the difference between the coldest and warmest temperatures in winter?
  - d) What is the difference between the coldest and warmest temperatures in autumn?
  - e) Which season has the biggest difference between the maximum and minimum temperatures?
  - f) What is the difference between the coldest temperature of the year and the warmest temperature of the year?
5. What is the difference between  $-5$  and  $7$ ?
  6. What is the difference between  $-10$  and  $6$ ?
  7. What is the difference between  $-4$  and  $4$ ?
  8. Write a pair of numbers, one negative and one positive with a difference of  $5$ .
  9. Write a pair of numbers, one negative and one positive with a difference of  $10$ .
  10. Write a pair of numbers, one negative and one positive with a difference of  $7$ .

# 0 to 1,000,000 landmarked line



## Rounding

Round the population of each island to the nearest 100,000 and 10,000

		100,000	10,000
Tenerife	906,854		
Majorca	862,397		
Tasmania	507,626		
Newfoundland	479,105		
Malta	373,955		
Corsica	316,578		
Iceland	311,396		
Madeira	245,806		
Ibiza	117,698		
Corfu	104,371		

# Place value and rounding

## Sheet 1

1. 78,925

What is 7 worth in this number?

\_\_\_\_\_

What is 8 worth in this number?

\_\_\_\_\_

2. Write digits to make these statements true.

$$5, \boxed{\phantom{0}} \boxed{\phantom{0}} \boxed{\phantom{0}} > \boxed{\phantom{0}}, \boxed{\phantom{0}} \boxed{\phantom{0}} \boxed{\phantom{0}}$$

$$5 \boxed{\phantom{0}}, \boxed{\phantom{0}} \boxed{\phantom{0}} \boxed{\phantom{0}} < 5 \boxed{\phantom{0}}, \boxed{\phantom{0}} \boxed{\phantom{0}} \boxed{\phantom{0}}$$

3. Write three numbers between 30,000 and 40,000 in ascending order.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

↑  
ascending

4. Write digits to make this statement true.

$$\boxed{\phantom{0}} \boxed{\phantom{0}}, \boxed{\phantom{0}} \boxed{\phantom{0}} \boxed{\phantom{0}} < 34, \boxed{\phantom{0}} \boxed{\phantom{0}} \boxed{\phantom{0}} < \boxed{\phantom{0}} \boxed{\phantom{0}}, \boxed{\phantom{0}} \boxed{\phantom{0}} \boxed{\phantom{0}}$$

5. Circle the number that is closest to 50,000.

45,974

51,356

50,427

49,328

6. Circle the number that is closest to 800,000.

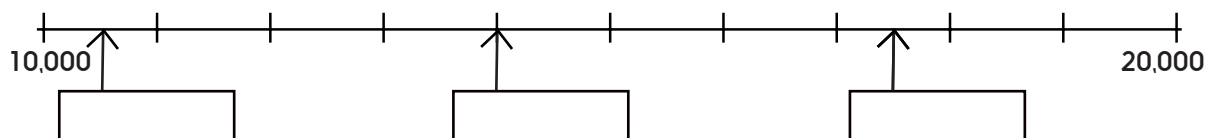
802,400

820,000

789,999

799,000

7. Write the numbers these arrows are pointing to.



8. Round 59,328 to:

a) the nearest multiple of 10,000

\_\_\_\_\_

b) the nearest multiple of 1000

\_\_\_\_\_

c) the nearest multiple of 100

\_\_\_\_\_

d) the nearest multiple of 10

\_\_\_\_\_

# Place value and rounding

## Sheet 2

1. 748,925

What is 7 worth in this number? \_\_\_\_\_

What is 8 worth in this number? \_\_\_\_\_

2. Write digits to make these statements true.

5,    > 2

5     < 5

3. Write four numbers between 300,000 and 400,000 in ascending order.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

↑  
ascending

4. Write digits to make this statement true.

3     < 34,    < 3

5. Circle the number that is closest to 500,000.

545,974

510,356

501,427

499,328

6. Circle the number that is closest to 800,000.

802,401

820,001

789,999

793,457

7. Estimate as accurately as possible the numbers these arrows are pointing to.



8. Round 456,328 to:

a) the nearest multiple of 100,000

\_\_\_\_\_

b) the nearest multiple of 10,000

\_\_\_\_\_

c) the nearest multiple of 1000

\_\_\_\_\_

d) the nearest multiple of 100

\_\_\_\_\_

e) the nearest multiple of 10

\_\_\_\_\_