

Number



Helpful Hint

Each digit in a number has a **place value**. The **place value** tells us the value of that digit, for example the digit 6 in the number 10658932 has a value of 6 hundred thousands.

Ten Millions (TM)	Millions (M)	Hundred Thousands (HTh)	Ten Thousands (TTh)	Thousands (Th)	Hundreds (H)	Tens (T)	Units (U)
1	0	6	5	8	9	3	2

A Answer these questions. You do not need to show your workings out.

1 Which number is bigger, 2234653 or 2234563?

 [1]

2 What is the smallest number you can make using all of these digits?

7 4 8 3 2 7 6

 [1]

3 What is the value of the digit 3 in the number 437785?

 [1]

4 Which number is smaller, 9898989 or 9899898?

 [1]

5 Which digit represents the millions in 5337289?

 [1]

6 Order these numbers, smallest first.

6755439 6756549 6755934 6756459

 [1]

7 Write this number in digits: seven million, fifty thousand and three.

 [1]

8 What is the value of the digit 9 in the number 8965453?

 [1]


**Helpful Hint**

Numbers can be **rounded** to a nearby value to make them easier to use. You may have to **round** numbers to the nearest ten, hundred, thousand, ten thousand, hundred thousand or million. Remember, if the **next** digit is 4 or less, you **round** down. If the **next** digit is 5 or more, you **round** up.

Examples:

766 **rounded** to the nearest hundred is 800. Hint: Look at the tens digit.

8 164 **rounded** to the nearest thousand is 8000. Hint: Look at the hundreds digit.

78 942 **rounded** to the nearest ten thousand is 80 000. Hint: Look at the thousands digit.

823 765 **rounded** to the nearest hundred thousand is 800 000. Hint: Look at the ten thousands digit.

7 634 742 **rounded** to the nearest million is 8 000 000. Hint: Look at the hundred thousands digit.

7.664 **rounded** to one decimal place is 7.7. Hint: Look at the hundredths digit.

B Answer these questions. You do not need to show your workings out.

1 Round 67 433 to the nearest hundred.

 [1]

2 What is 65 543 rounded to the nearest thousand?

 [1]

3 Round 8.343 to the nearest whole number.

 [1]

4 What is 6 643 327 rounded to the nearest million?

 [1]

5 What is 37.545 rounded to two decimal places?

 [1]

6 Round 0.384 276 to the nearest thousandth.

 [1]

7 What is 408.927 to the nearest whole number?

 [1]

8 What is 289 976 to the nearest hundred?

 [1]



Helpful Hint

Negative numbers are all numbers less than zero.

Negative numbers have a minus ‘-’ sign.



Positive numbers are numbers larger than zero. **Positive numbers** sometimes have a ‘+’ sign.

© Answer these questions. You do not need to show your workings out.

1 Write the next number in this sequence. $-15 \quad -10 \quad -5 \quad 0$ _____

 [1]

2 What is the difference between 7 and -2 ?

 [1]

3 Start with -4 . Add 6. What is your answer?

 [1]

4 Write the next number in this sequence. $-24 \quad -13 \quad -2 \quad 9$ _____

 [1]

5 What has been subtracted from 2 if the answer is -4 ?

 [1]

6 If you subtract 6 from -3 what is the answer?

 [1]

7 Which of these pairs of numbers has the greater difference?

2 and -1 15 and 13

 [1]

8 What is 12 less than 5? _____

 [1]

9 Which is bigger, -0.5 or $-\frac{3}{4}$? _____

 [1]

10 Add -4 to 6. What is the result? _____

 [1]

Unit 1 Number

- (A)**
- 1 2234653
 - 2 2346778
 - 3 30 thousand (30 000)
 - 4 9898989
 - 5 5
 - 6 **1st** 6755439 **3rd** 6756459
2nd 6755934 **4th** 6756549
 - 7 7050003
 - 8 9 hundred thousand
(900 000)

- (B)**
- 1 67400
 - 2 66000
 - 3 8
 - 4 7000000
 - 5 37.55
 - 6 0.384
 - 7 409
 - 8 290000

- (C)**
- 1 5
 - 2 9
 - 3 2
 - 4 20
 - 5 6
 - 6 -9
 - 7 2 and -1 (Differences are
3 and 2)
 - 8 -7
 - 9 -0.5
 - 10 2

Word problems

- (D)**
- 1 363000 km
 - 2 -6°C
 - 3 9877321
 - 4 Day 2 (The temperature
rose 13°C)
 - 5 29 mm ($2.92\text{ cm} = 29.2\text{ mm}$)