

Example 1.2

Round off each of the following numbers to the nearest number indicated in brackets.

- (a) 435 678 754 (100 000)
- (b) 673 098 123 (1000)
- (c) 563 789 256 (10 000)
- (d) 730 862 156 (100)

solution.

(a) to the nearest 100 000, the number 435 678 754 becomes
435 700 000

(b) to the nearest 1000, the number 673 098 123 becomes
673 098 000

(c) to the nearest 10 000, the number 563 789 256 becomes
563 790 000

(d) to the nearest 100, the number 730 862 156 becomes
730 862 200

NOTE: The digits in bold, are the digits we are considering before rounding off.

Exercise 1.2

1. round off each of the following numbers to the nearest number indicated in brackets.

- a) 783 164 563 (10 000)
- b) 78 903 567 (100 000)
- c) 605 425 940 (1000 000)
- d) 9 628 144 (1000 000)

c) 12 893 152 (1000)

2. by rounding off to the nearest 100, estimate the value of:

- (a) 568×726
- (b) $2256 - 178$
- (c) $7854 + 162$

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