

Exercise - 6 (C)

Q-1 - Estimate the sum:

a) $53 + 47$

Ans: Rounding off 53 and 47 to the nearest tens, we get $50 + 50 = 100$

b) $28 + 69 + 67$

Ans: Round off 28, 69 and 67 to the nearest tens, we get $30 + 70 + 70 = 170$

c) $240 + 398$

Ans: Round off 240 and 398 to the nearest 100, we get $200 + 400 = 600$

d) $467 + 176 + 87$

Ans: Round off ~~467~~ 467, 176 and 87 to the nearest 10, we get $470 + 180 + 90 = 740$

e) $2843 + 4382 + 9324$

Ans: Round off 2843, 4382 and 9324 to the nearest 1000, we get $3000 + 4000 + 9000 = 16,000$

f) $83413 + 2567 + 43928$

Ans: Round off 83413, 2567, 43928 to the nearest 1000, we get $83000 + 3000 + 44000 = 130,000$

2. Estimate the difference!

a) $85 - 32$

Ans: Rounding off 85 and 32 to the nearest 10, we get $90 - 30 = 60$

b) $56 - 27$

Ans: Rounding off 56 and 27 to the nearest 10, we get $60 - 30 = 30$

c) $567 - 84$

Ans: Round off 567 and 84 to the nearest 10, we get $570 - 80 = 490$

d) $3678 - 1256$

Ans: Round off 3678 and 1256 to the nearest 1000, we get $4000 - 1000 = 3000$

e) $3056 - 1506$

Ans: Round off 3056 and 1506 to the nearest 1000, we get $3000 - 2000 = 1000$

f) $93125 - 34123$

Ans: Round off 93125 and 34123 to the nearest 10000, we get $90000 - 30000 = 60000$

3. Estimate the product

a) 33×17

Ans: Round off 33 and 17 to the nearest 10, we get $30 \times 20 = 600$

b) 88×21

Ans: Rounding off 88 and 21, we get 90
to the nearest 10
 $\times 20 = 1800$

c) 178×4

Ans: Rounding off 17

d) 486×31

Ans: Rounding off 486 and 31 to the nearest
10, we get $490 \times 30 = 14700$

e) 2124×112

Ans: Rounding off 2124 and 112 to the nearest
100, we get $2100 \times 100 = 210000$

f) 997×47

Rounding off 997 and 47 to the nearest
10, we get $1000 \times 50 = 50000$