

EXERCISE 1.7

PAGE: 1.29

1. Estimate the following by rounding off each factor to nearest hundreds:

(i) $730 + 998$

(ii) $796 - 314$

(iii) $875 - 384$

Solution:(i) It can be rounded off to the nearest hundreds as $700 + 1000 = 1,700$.(ii) It can be rounded off to the nearest hundreds as $800 - 300 = 500$.(iii) It can be rounded off to the nearest hundreds as $900 - 400 = 500$.**2. Estimate the following by rounding off each factor to nearest thousands:**

(i) $12,094 + 2,888$

(ii) $28,292 - 21,496$

Solution:(i) It can be rounded off to the nearest thousands as $13,000 + 3,000 = 16,000$.(ii) It can be rounded off to the nearest thousands as $28,000 - 21,000 = 7,000$.**3. Estimate the following by rounding off each number to its greatest place:**

(i) $439 + 334 + 4,317$

(ii) $8,325 - 491$

(iii) $1,08,734 - 47,599$

(iv) 898×785

(v) 9×795

(vi) 87×317

Solution:(i) It can be rounded off to its greatest place as $400 + 300 + 4,000 = 4,700$.(ii) It can be rounded off to its greatest place as $8,000 - 500 = 7,500$.(iii) It can be rounded off to its greatest place as $1,00,000 - 50,000 = 50,000$.(iv) It can be rounded off to its greatest place as $900 \times 800 = 7,20,000$.(v) It can be rounded off to its greatest place as $10 \times 800 = 8,000$.(vi) It can be rounded off to its greatest place as $90 \times 300 = 27,000$.**4. Find the estimated quotient for each of the following by rounding off each number to its greatest place:**

(i) $878 \div 28$

(ii) $745 \div 24$

(iii) $4489 \div 394$

Solution:

- (i) It can be rounded off to its greatest place as $900 \div 30 = 30$.
- (ii) It can be rounded off to its greatest place as $700 \div 20 = 35$.
- (iii) It can be rounded off to its greatest place as $4000 \div 400 = 10$.

