

Whole Numbers (3): Approximation and Estimation

[10 - 09 - 20 - K5]

A. Fill in the blanks.

- (1) 12 465 is _____ when rounded off to the nearest ten.
- (2) 30 083 is _____ when rounded off to the nearest ten.
- (3) 35 206 is _____ when rounded off to the nearest hundred.
- (4) 21 644 is _____ when rounded off to the nearest hundred.
- (5) 65 079 is _____ when rounded off to the nearest hundred.
- (6) 90 739 is _____ when rounded off to the nearest thousand.
- (7) 143 520 is _____ when rounded off to the nearest thousand.
- (8) 219 198 is _____ when rounded off to the nearest thousand.

B. Round off each of the following to the nearest \$100.

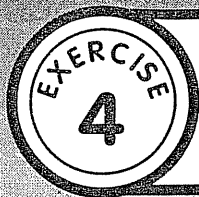
- (1) \$1248 = _____
- (2) \$3072 = _____
- (3) \$5738 = _____
- (4) \$10 059 = _____
- (5) \$19 816 = _____
- (6) \$27 009 = _____

C. Round off each of the following to the nearest \$1000.

- (1) \$2431 = _____
- (2) \$4955 = _____
- (3) \$17 745 = _____
- (4) \$33 333 = _____
- (5) \$401 287 = _____
- (6) \$592 590 = _____

D. Estimate the value of each of the following.

(1) $1120 + 375$ $\approx 1000 + 400$ =	(2) $2592 + 216$ \approx =
(3) $3705 + 2274$ \approx =	(4) $4098 + 2626$ \approx =
(5) $5689 - 366$ \approx =	(6) $2736 - 528$ \approx =
(7) $9099 - 8909$ \approx =	(8) $7814 - 6157$ \approx =
(9) 125×64 $\approx 100 \times 60$ =	(10) 276×28 \approx =
(11) 357×132 \approx =	(12) 443×271 \approx =
(13) $2174 \div 41$ $\approx 2000 \div 40$ =	(14) $2601 \div 26$ \approx =
(15) $1748 \div 24$ \approx =	(16) $1488 \div 13$ \approx =



Whole Numbers (4): Multiplying by Tens, Hundreds or Thousands

Find the value of each of the following.

(1) 347×10 =	(2) 408×20 =
(3) 24×80 =	(4) 93×100 =
(5) 59×300 =	(6) 758×500 =
(7) 236×700 =	(8) 514×1000 =
(9) 707×4000 =	(10) 62×6000 =

EXERCISE
5

Whole Numbers (5): Dividing by Tens, Hundreds or Thousands

Find the value of each of the following.

(1) $590 \div 10$ =	(2) $900 \div 30$ =
(3) $770 \div 70$ =	(4) $2300 \div 100$ =
(5) $3600 \div 400$ =	(6) $7800 \div 600$ =
(7) $45\,000 \div 1000$ =	(8) $75\,000 \div 3000$ =
(9) $30\,000 \div 5000$ =	(10) $84\,000 \div 7000$ =

ANSWERS

Exercise 1

- A (1) 20 104 (2) 32 056 (3) 47 500
 (4) 516 240 (5) 602 083 (6) 700 100
 (7) 93 005 (8) 2 130 000
 (9) 7 405 000 (10) 8 015 000

- B (1) Thirty-one thousand and twenty-seven
 (2) Forty thousand, five hundred and sixteen
 (3) Ten thousand and twenty
 (4) Two hundred and thirteen thousand and four hundred
 (5) Five hundred and two thousand and one
 (6) Three hundred thousand, two hundred and eight
 (7) Five million and six thousand
 (8) Four million, one hundred and ten thousand
 (9) Six million, eight hundred and two thousand
 (10) Seven million and ninety-three thousand

- C (1) 100 (2) thousands, 3 thousands
 (3) ten thousands, 20 thousands
 (4) 200 000 (5) 5 millions

- D (1) 35 206 (2) 428 007
 (3) 600 (4) 70 000

- E (1) 25 732, 25 792 (2) 40 136, 40 236
 (3) 70 271, 73 271 (4) 65 810, 70 810

- F (1) 20 (2) 10 (3) 37 (4) 9
 (5) 43 (6) 86 (7) 5, 782, 0
 (8) 1, 67, 0 (9) 7, 501, 0
 (10) 3, 240, 0

- G (1) 4, 0 (2) 2, 60 (3) 4, 950
 (4) 4, 210 (5) 2, 370 (6) 2, 910

Exercise 2

- A (1) 1, 2, 3, 4, 6, 8, 12, 24
 (2) 1, 3, 5, 15, 25, 75
 (3) 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84
 (4) 1, 2, 3, 4, 6, 8, 12, 16, 24, 32, 48, 96
 (5) 1, 11, 121

- B (1) 12 (2) 20 (3) 30 (4) 21
 (5) 3 (6) 13

Exercise 3

- A (1) 12 470 (2) 30 080 (3) 35 200
 (4) 21 600 (5) 65 100 (6) 91 000
 (7) 144 000 (8) 219 000

- B (1) \$1200 (2) \$3100 (3) \$5700
 (4) \$10 100 (5) \$19 800 (6) \$27 000

- C (1) \$2000 (2) \$5000 (3) \$18 000
 (4) \$33 000 (5) \$401 000
 (6) \$593 000

- D (1) 1400 (2) 3200 (3) 6000
 (4) 7000 (5) 5600 (6) 2500
 (7) 0 (8) 2000 (9) 6000
 (10) 9000 (11) 40 000 (12) 120 000
 (13) 50 (14) 100 (15) 100
 (16) 100

Exercise 4

- (1) 3470 (2) 8160 (3) 1920
 (4) 9300 (5) 17 700 (6) 379 000
 (7) 165 200 (8) 514 000
 (9) 2 828 000 (10) 372 000

Exercise 5

- (1) 59 (2) 30 (3) 11 (4) 23
 (5) 9 (6) 13 (7) 45 (8) 25
 (9) 6 (10) 12

Exercise 6

- (1) 24 (2) 49 (3) 47 (4) 19
 (5) 25 (6) 16 (7) 8 (8) 19
 (9) 0 (10) 56 (11) 63 (12) 11
 (13) 22 (14) 10 (15) 54 (16) 37
 (17) 90 (18) 30 (19) 0 (20) 27

Exercise 7

- (1) 224 (2) 712 (3) 1708 (4) 490
 (5) 1550 (6) 2700 (7) 106 (8) 800
 (9) 426 (10) 2262 (11) 1333 (12) 5643
 (13) 1349 (14) 1092 (15) 700 (16) 1500

Exercise 8

- A (1) 2170 (2) 1000 (3) 213
 (4) 10 (5) 340 (6) 93
 B (1) \$20 (2) 64 (3) 261
 (4) 100 (5) 550 (6) 720
 (7) \$135 (8) 125 kg (9) \$1200
 (10) \$22 (11) \$175 (12) 100

Exercise 9

- (1) 1092 (2) 6400 (3) 8280
 (4) 14 245 (5) 188 760
 (6) 1 473 128 (7) 99 015 (8) 80 122