Unit 2 Section 2 : Addition and Subtraction

This section deals with the revision of addition and subtraction of both whole numbers and decimals; we also look again at the use of brackets. You are *not* expected to use a calculator in this section.

Example 1

Calculate:

  (a) $1142 + 363$ **1505**

  (b) $4478 - 227$ **4251**

(b)   4 4 7 8
    −   2 2 7
    ‾‾‾‾‾‾‾
     4 2 5 1

Note that it is important to *line up* the numbers with the *same place value*.

Example 2

Calculate:

Remember to carry out the calculations in the *brackets first*.

  (a) $14 - (8 + 3)$ **= 14 – 11 = 3**

  (b) $16 - (12 - 3)$ **= 16 – 9 = 7**

Example 3

Calculate:

Remember to *line up* the decimal points.

  (a) $6.27 + 13.4$ **19.67**

  (b) $17.6 - 8.31$ **9.29**

(b) $^{0}\,{}^{1}\;{}^{5}\;{}^{1}$
    ⱡ 7 . 6̶ 0
    −   8 . 3 1
   ‾‾‾‾‾‾‾‾
    9 . 2 9

Example 4

Ben has £17.50 when he goes out shopping. He spends £1.23 on sweets and £12.99 on a CD.

(a) How much does he spend in total? **He spends a total of £14.22.**

(b) How much money does he have left? **He has £3.28 left.**

Question 1
Calculate:

(a) $16 + 47$ [ ]

(b) $32 + 18$ [ ]

(c) $19 + 15$ [ ]

(d) $66 + 82$ [ ]

(e) $37 + 92$ [ ]

(f) $44 + 126$ [ ]

(g) $572 + 116$ [ ]

(h) $362 + 97$ [ ]

(i) $421 + 362$ [ ]

(j) $46 + 712$ [ ]

(k) $381 + 56$ [ ]

(l) $182 + 1141$ [ ]

Question 2
Calculate:

(a) $66 - 4$ [ ]

(b) $78 - 3$ [ ]

(c) $49 - 7$ [ ]

(d) $72 - 21$ [ ]

(e) $47 - 25$ [ ]

(f) $88 - 36$ [ ]

(g) $41 - 22$ [ ]

(h) $83 - 47$ [ ]

(i) $76 - 57$ [ ]

(j) $121 - 92$ [ ]

(k) $742 - 151$ [ ]

(l) $311 - 286$ [ ]

Question 3
Calculate:

(a) $3.6 + 4.2$ ⬚

(b) $5.7 + 1.2$ ⬚

(c) $6.3 + 2.6$ ⬚

(d) $13.2 + 1.2$ ⬚

(e) $3.72 + 4.1$ ⬚

(f) $8.1 + 13.24$ ⬚

(g) $3.6 + 1.724$ ⬚

(h) $8.14 + 19.7$ ⬚

(i) $11.2 + 16.31$ ⬚

Question 4
Calculate:

(a) $4.7 - 2.4$ ⬚

(b) $8.6 - 6.5$ ⬚

(c) $3.9 - 1.4$ ⬚

(d) $4.92 - 1.81$ ⬚

(e) $6.91 - 2.3$ ⬚

(f) $4.7 - 2.19$ ⬚

(g) $3.7 - 2.17$ ⬚

(h) $14.2 - 9.08$ ⬚

(i) $5.6 - 4.72$ ⬚

Question 5
Calculate:

(a) $20 - (6 + 2)$ ☐

(b) $14 - (8 - 2)$ ☐

(c) $18 - (3 + 1)$ ☐

(d) $100 - (37 - 22)$ ☐

(e) $18 - (11 + 4)$ ☐

(f) $22 - (11 + 1)$ ☐

(g) $144 - (80 + 12)$ ☐

(h) $66 - (5 + 17)$ ☐

(i) $100 - (15 - 9)$ ☐

(j) $200 - (101 + 42)$ ☐

Question 6
Fill in the missing numbers:

(a) $962 - \boxed{} = 476$

(b) $\boxed{} - 128 = 415$

(c) $3612 = \boxed{} + 43$

(d) $7526 = \boxed{} - 78$

Question 7
Write one number at the end of each calculation to make it correct:

(a) $400 + 150 = 500 + \boxed{}$

(b) $14 + 6 = 4 + \boxed{}$

(c) $37 - 20 = 27 - \boxed{}$

(d) $38 + 17 = 28 + \boxed{}$

(e) $38 - 17 = 28 - \boxed{}$

(f) $54 - 26 = 14 + \boxed{}$

Question 8

There are 32 pupils in class 7DC, 28 pupils in class 7BD and 29 pupils in class 7PD.
How many pupils are there altogether in these 3 classes?

[   ] pupils

Question 9

There are 74 people on a bus. At one stop 22 people get off. How many people are left on the bus?

[   ] people

Question 10

Ben spends £4.27 in one shop and £15.99 in another shop.

(a) How much does he spend altogether?

[   ]

(b) If he started with £25, how much money does he have left?

[   ]

Question 11

Bella buys a value burger meal that costs £3.28 for herself and a fun meal that costs £2.25 for her sister.

(a) How much does she spend altogether?

[   ]

(b) How much change should she get from a £10 note?

[   ]

Question 12
A triangle has sides of length 18.8 cm, 14 cm and 12.75 cm. Calculate the perimeter of the triangle.

P: [   ] cm

Question 13
Look at these number cards:

+3	0	−5	+9
+2	−8	+7	−2

(a) Choose a card to give the answer 4.

+2 + −5 + [   ] = 4

(b) Choose a card to give the *lowest* possible answer.

−2 + [   ] = [   ]

(c) Choose a card to give the *lowest* possible answer.

−2 − [   ] = [   ]

(d) Now choose a card to give the *highest* possible answer.

−2 − [   ] = [   ]