

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)
$$\begin{array}{r} 4478 \\ - 227 \\ \hline 4251 \end{array}$$

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)
$$\begin{array}{r} \overset{0}{1} \overset{1}{7} \overset{5}{.} \overset{1}{0} \\ - 8 \overset{3}{.} \overset{1}{1} \\ \hline 9 \overset{2}{.} \overset{9}{9} \end{array}$$

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) $962 - \text{ } = 476$

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

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

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

Question 7

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

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

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

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

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

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

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

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.

$$\boxed{+2} + \boxed{-5} + \boxed{} = 4$$

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

$$\boxed{-2} + \boxed{} = \boxed{}$$

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

$$\boxed{-2} - \boxed{} = \boxed{}$$

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

$$\boxed{-2} - \boxed{} = \boxed{}$$