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)
$$\begin{array}{r} {}^{0}1\ {}^{5}7\ .\ {}^{6}6\ {}^{1}0 \\ -\ 8\ .\ 3\ 1 \\ \hline 9\ .\ 2\ 9 \end{array}$$

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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 ☐

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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) $5.6 - 4.72$ ☐

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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) $962 -$ ☐ $= 476$

(b) ☐ $- 128 = 415$

(c) $3612 =$ ☐ $+ 43$

(d) $7526 =$ ☐ $- 78$

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

(a) $400 + 150 = 500 +$ ☐

(b) $14 + 6 = 4 +$ ☐

(c) $37 - 20 = 27 -$ ☐

(d) $38 + 17 = 28 +$ ☐

(e) $38 - 17 = 28 -$ ☐

(f) $54 - 26 = 14 +$ ☐

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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?

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(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 – ☐ = ☐

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