

Be able to add or subtract decimal numbers

When you add or subtract decimal numbers, it is important to

..... line up the decimal points.

Example :- To add 3.7 and 4.62  $\Rightarrow$

$$\begin{array}{r} 3.7 \\ + 4.62 \\ \hline 8.32 \end{array}$$



### Exercise 5

1. Try to do the following **mentally**. Write down the answers to :-

- |   |               |   |               |   |               |   |               |
|---|---------------|---|---------------|---|---------------|---|---------------|
| a | $4.8 + 5.1$   | b | $6.6 + 2.3$   | c | $3.9 + 8.4$   | d | $8.7 + 3.5$   |
| e | $0.34 + 0.46$ | f | $0.49 + 0.37$ | g | $0.42 + 0.78$ | h | $0.44 + 0.97$ |
| i | $5.2 + 5.56$  | j | $9.1 + 2.45$  | k | $3.99 + 4.33$ | l | $2.7 + 5.65$  |
| m | $4.8 - 4.5$   | n | $9.6 - 6.2$   | o | $8.7 - 0.6$   | p | $2.5 - 0.5$   |
| q | $7.7 - 4.9$   | r | $8.4 - 1.8$   | s | $11 - 0.86$   | t | $3 - 0.43$    |

2. What is the total length of each of the following garden implements? (Try to do it **mentally**).




3. Try the following **mentally** :-

a. An empty cooking pot weighs 0.6 kilograms. 3.7 kilograms of meat are placed in the pot. What is the combined weight?



b. It is 6.9 miles along the motorway from my house to the supermarket. If I go the scenic route, it is 9.5 miles to the supermarket. How much shorter is it to travel on the motorway?



c.  Three boys get pocket money from their gran each Friday. Bob gets £7.30, as he is the oldest. Fred gets £5.50 and young Dave gets £3.80. How much money does gran pay out each week?

d. May travels 5.8 km by motorbike from her home to meet Joe. Nan travels 6.7 km from her home to meet May. After their meeting, they both return to their own homes. What is the **combined** distance of both their journeys?



4. Copy the following and find :-

$$\begin{array}{r} a \quad 5.6 \\ + 1.5 \\ \hline \end{array}$$

$$\begin{array}{r} b \quad 18.3 \\ + 7.9 \\ \hline \end{array}$$

$$\begin{array}{r} c \quad 13.7 \\ + 56.8 \\ \hline \end{array}$$

$$\begin{array}{r} d \quad 76.8 \\ + 24.9 \\ \hline \end{array}$$

$$\begin{array}{r} e \quad 7.65 \\ + 1.73 \\ \hline \end{array}$$

$$\begin{array}{r} f \quad 4.28 \\ + 3.09 \\ \hline \end{array}$$

$$\begin{array}{r} g \quad 6.04 \\ + 5.59 \\ \hline \end{array}$$

$$\begin{array}{r} h \quad 8.37 \\ + 1.72 \\ \hline \end{array}$$

$$\begin{array}{r} i \quad 5.82 \\ + 7.39 \\ \hline \end{array}$$

$$\begin{array}{r} j \quad 13.57 \\ + 15.78 \\ \hline \end{array}$$

$$\begin{array}{r} k \quad 29.14 \\ + 3.87 \\ \hline \end{array}$$

$$\begin{array}{r} l \quad 36.94 \\ + 28.09 \\ \hline \end{array}$$

$$\begin{array}{r} m \quad 8.5 \\ - 2.1 \\ \hline \end{array}$$

$$\begin{array}{r} n \quad 43.8 \\ - 22.4 \\ \hline \end{array}$$

$$\begin{array}{r} o \quad 62.4 \\ - 35.7 \\ \hline \end{array}$$

$$\begin{array}{r} p \quad 31.18 \\ - 26.95 \\ \hline \end{array}$$

$$\begin{array}{r} q \quad 7.48 \\ - 6.35 \\ \hline \end{array}$$

$$\begin{array}{r} r \quad 8.49 \\ - 6.57 \\ \hline \end{array}$$

$$\begin{array}{r} s \quad 5.08 \\ - 1.09 \\ \hline \end{array}$$

$$\begin{array}{r} t \quad 9.54 \\ - 1.72 \\ \hline \end{array}$$

$$\begin{array}{r} u \quad 5.24 \\ - 4.16 \\ \hline \end{array}$$

$$\begin{array}{r} v \quad 9.67 \\ - 4.91 \\ \hline \end{array}$$

$$\begin{array}{r} w \quad 5.01 \\ - 4.43 \\ \hline \end{array}$$

$$\begin{array}{r} x \quad 12.12 \\ - 5.23 \\ \hline \end{array}$$

5. Calculate :-

a  $£3.64 + £4.09$

b  $£37.58 + £25.23$

c  $£72.54 + £7.77$

d  $£8.26 + £9.44$

e  $£48.37 + £7.26$

f  $£56.92 + £72.60$

g  $£9.47 - £3.53$

h  $£8.64 - £2.99$

i  $£3.72 - £1.68$

j  $£72.51 - £45.27$

k  $£81.80 - £9.29$

l  $£23.50 - £3.67$

6. Letitia bought a bracelet for  $£45.50$  and earrings at  $£12.65$ .

How much did she spend **altogether** ?



Ralph bought a camera for  $£82.35$  but sold it the following year for  $£23.70$ .

How much did he lose by selling the camera ?



In an ice skating competition Marion was awarded 1.9 points more than Christopher.

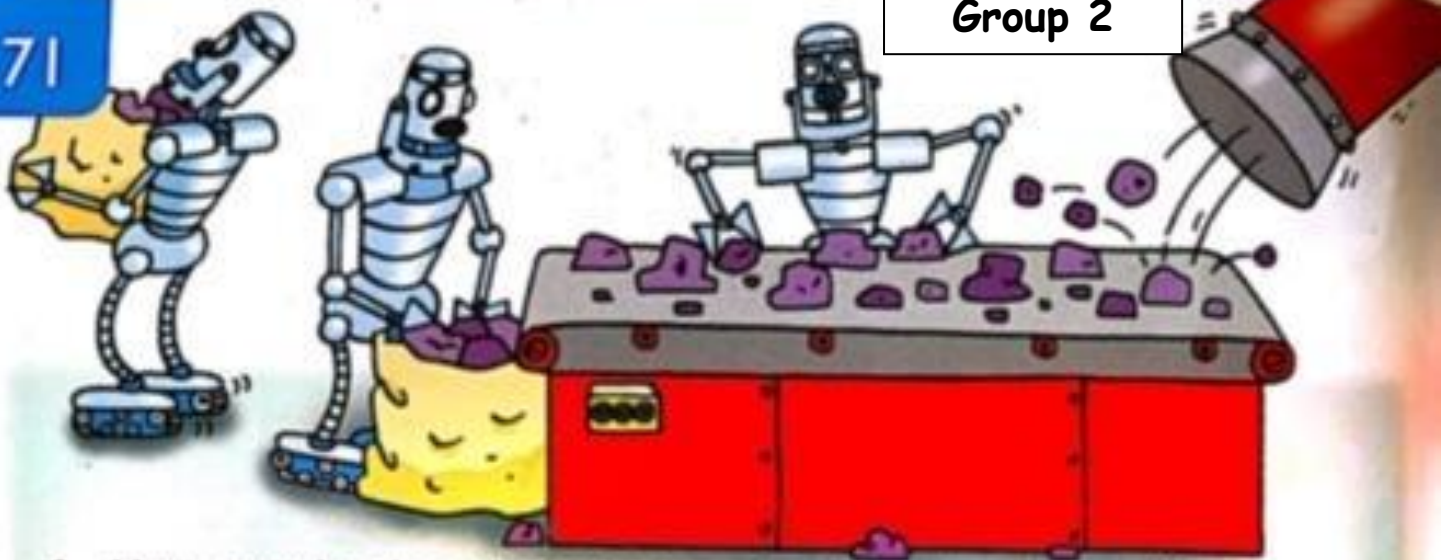
Christopher received 7.4 points.

What was Marion's mark ?

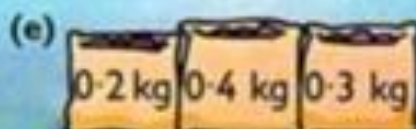
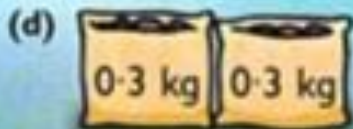
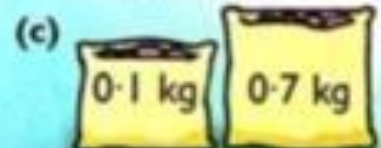
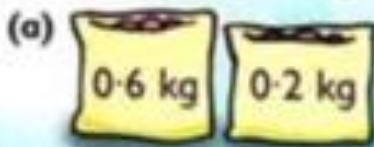
9. A delivery man is pushing two parcels on a trolley. One weighs 19.7 kg, the other weighs 36.7 kg.

What is the **total** weight of the parcels ?





1 How many kg altogether of moonrocks did each robot pack?



2 Double each number.

(a) 0.4

(b) 0.2

(c) 0.5

(d) 0.7

(e) 0.9

3 (a)  $0.7 + 0.3$  (b)  $0.6 + 0.7$  (c)  $0.8 + 0.9$  (d)  $0.5 + 0.9$   
 (e)  $0.7 + 0.8$  (f)  $0.9 + 0.6$  (g)  $0.6 + 0.5$  (h)  $0.8 + 0.4$

4 Add. (a)  $0.3 + 1.5$  (b)  $0.6 + 4.3$  (c)  $0.9 + 5.1$

5 Increase (a) 2.8 by 0.5 (b) 3.9 by 0.4 (c) 1.3 by 0.8.



6

(a)  $0.7 + \blacksquare$

(b)  $0.1 + \blacksquare$

(c)  $\blacksquare + 0.5$

(d)  $\blacksquare + 0.2$

(e)  $0.4 + 0.5 + \blacksquare$

(f)  $0.2 + \blacksquare + 0.5$

7 Find the missing numbers.

(a)  $\blacksquare + \blacktriangle = 1$

(b)  $\blacksquare + \blacktriangle + \blacklozenge = 1$

(c)  $\blacksquare + \blacktriangle < 1$

(d)  $\blacksquare + \blacktriangle + \blacklozenge < 1$



1 Find each total volume of asteroid acid.

(a)  $3.5\text{ l} + 2.2\text{ l}$

(b)  $1.6\text{ l} + 4.3\text{ l}$

(c)  $6.5\text{ l} + 3.4\text{ l}$

(d)  $4.1\text{ l} + 1.7\text{ l}$

(e)  $2.4\text{ l} + 5.3\text{ l}$

(f)  $6.2\text{ l} + 1.8\text{ l}$

2 Double.

(a)  $2.3$

(b)  $1.4$

(c)  $4.6$

(d)  $3.9$

(e)  $2.8$

3 (a)  $7.7 + 1.2$

(b)  $5.5 + 2.5$

(c)  $5.8 + 2.7$

(d)  $3.8 + 3.4$

(e)  $2.2 + 4.9$

(f)  $6.9 + 2.8$

(g)  $2.5 + 1.8$

(h)  $2.6 + 4.7$

(i)  $7.3 + 7.9$

(j)  $9.7 + 4.4$

(k)  $5.7 + 5.7$

(l)  $8.6 + 6.8$

Find the missing numbers.

4 (a)  $2.6 + \blacksquare = 3$  (b)  $4.1 + \blacksquare = 5$  (c)  $5.4 + \blacksquare = 6$

(d)  $\blacksquare + 6.3 = 7$  (e)  $\blacksquare + 9.7 = 10$  (f)  $\blacksquare + 7.8 = 8$

5 (a)  $\blacksquare + \blacktriangle = 6.8$  (b)  $\blacksquare + \blacktriangle = 10.2$  (c)  $\blacksquare + \blacktriangle = 13.5$

(d)  $\blacksquare + \blacktriangle + \blacklozenge = 7.6$  (e)  $\blacksquare + \blacktriangle + \blacklozenge = 8.3$

# Column Addition Practice (No Regrouping)

Group 3

a.				b.				c.				d.				e.		
	2	1			3	4			1	6			2	3			3	4
+	1	1		+	1	2		+	2	1		+	1	2		+	2	0
f.				g.				h.				i.				j.		
	1	6			1	5			2	0			3	2			2	4
+	3	2		+	4	3		+	2	9		+	2	2		+	3	3
k.				l.				m.				n.				o.		
	3	6			2	6			4	7			2	4			4	9
+	3	2		+	3	1		+	2	2		+	2	3		+	3	0
p.				q.				r.				s.				t.		
	4	6			1	1			7	3			5	5			3	2
+	2	2		+	6	8		+	2	6		+	3	4		+	4	5
u.				v.				w.				x.				y.		
	8	4			7	4			5	7			2	1			2	5
+	1	2		+	2	1		+	3	1		+	6	8		+	5	2