2. Adding decimals

Essentials ...

Decimal numbers can be split into columns...

Units → tenths ↙ hundredths
↙ thousandths

$$8 \cdot 2 1 4$$

It is important to line up the decimal places...

How to ...

3.6 + 3.1 =

← Start here

$$\begin{array}{r} 3 \cdot 6 \\ 3 \cdot 1 \\ \hline 6 \cdot 7 \end{array}$$

3.6 + 4.5 =

← start

$$\begin{array}{r} 3 \cdot 6 \\ 4 \cdot 5 \\ \hline 8 \cdot 1 \\ 1 \end{array}$$

we've got to do some "carrying"

don't forget this →

3.64 + 4.3 =

START

$$\begin{array}{r} 3 \cdot 64 \\ 4 \cdot 30 \\ \hline 7 \cdot 94 \end{array}$$

line up the decimal points
← you might want to fill any spaces with a '0'

3.641 + 4.37 =

$$\begin{array}{r} 3 \cdot 641 \\ 4 \cdot 370 \\ \hline 8 \cdot 011 \\ 1 \ 1 \end{array}$$

Don't forget to make sure you include the decimal point in your answer...

Now have a go ... (if the answer isn't in the answer box ... Try again!)
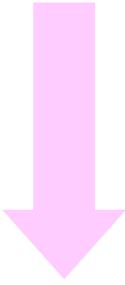
1. 5.6 + 4.3   **2.** 3.2 + 4.3   **3.** 5.6 + 3.2

4. 4.8 + 5.3   **5.** 3.3 + 5.9   **6.** 3.3 + 4.8

7. 8.7 + 6.6   **8.** 8.7 + 9.4   **9.** 9.4 + 6.6
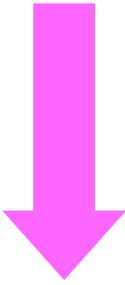
1. 14.6 + 23.1   **2.** 14.6 + 63.3   **3.** 63.3 + 23.1

4. 17.67 + 2.89   **5.** 17.67 + 5.57   **6.** 5.57 + 2.89

7. 0.28 + 19.4   **8.** 19.4 + 7.81   **9.** 0.28 + 7.81
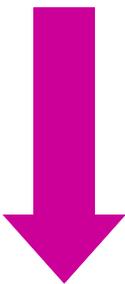
1. 8.535 + 1.462   **2.** 8.535 + 4.36   **3.** 1.462 + 4.62

4. 11.57 + 4.7   **5.** 11.57 + 19.9   **6.** 19.96 + 4.7

7. 6.514 + 12.8   **8.** 16.514 + 12.81   **9.** 6.514 + 0.1

Work out the price of

1. Fish and chips
2. Fish, chips and beans
3. 3 juices

MENU

Chips	£1.40
Fish	£6.75
Beans	£0.42
Juice	£1.67

ANSWERS

19.68	31.47	8.1	23.24	10.1	8.15
86.4	9.9	5.01	37.7	8.57	19.314
8.8	77.9	9.997	6.614	15.3	8.09
18.1	16.27	8.46	7.5	27.21	24.66
6.082	20.56	29.324			12.895
9.2	16.0				