

Chal-
lenge

Week Commencing 3-

8.6.20



For each number when looking at decimals, it is important to jot down your place value chart over each number to help check the value.

Remember when adding or subtracting, there must be the same number of decimal places before beginning the calculation. The decimal points should always line up below each other.

Ones	Tenths	Hundredths
	0.1	0.01 0.01
0	1	2

In this example there are 0 ones, 1 tenth and 2 hundredths.

Challenge 1

Ones	Tenths	Hundredths
0.1	0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01

What number is represented on the place value chart?

There are ____ ones, ____ tenths and ____ hundredths.

The number is _____

Ones	Tenths	Hundredths
0.1 0.1	0.01 0.01 0.01	0.01 0.01 0.01 0.01

What number is represented on the place value chart?

There are ____ ones, ____ tenths and ____ hundredths.

The number is _____

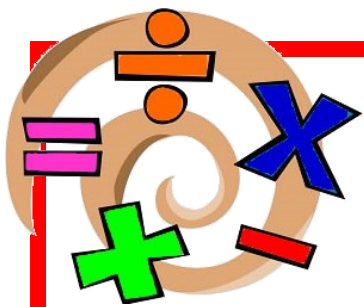
Represent these numbers on a place value chart

0.28

0.65

0.07

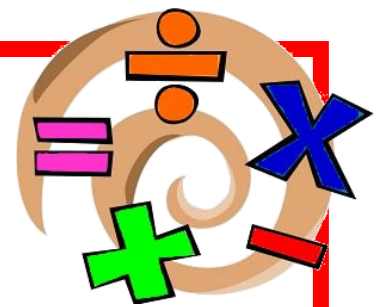
1.26



Chal-
lenge

Week Commencing 3-

8. 6.20



Challenge 2 Add and subtract decimal numbers.

$$\begin{array}{r} 0.85 \\ +0.56 \\ \hline \end{array}$$

$$\begin{array}{r} 0.95 \\ +0.74 \\ \hline \end{array}$$

$$\begin{array}{r} 65.49 \\ +64.81 \\ \hline \end{array}$$

$$\begin{array}{r} 27.78 \\ +58.58 \\ \hline \end{array}$$

Challenge 3

2. $0.315 + 0.42 =$

3. $0.891 + 0.31 =$

4. $0.59 - 0.16 =$

5. $0.816 - 0.042 =$

6. $0.375 + 0.049 =$

Challenge 4

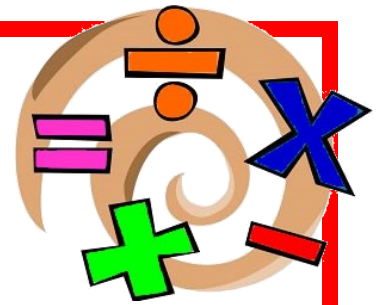
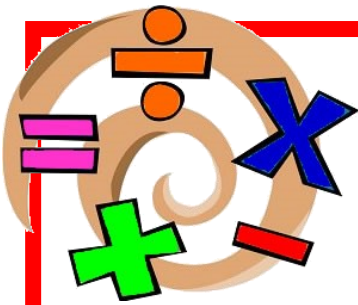
1. $0.3 + 1 \text{ tenth} =$

2. $0.9 + 1 \text{ hundredth}$

3. $3 \text{ hundredths} + 0.2 =$

4. $6 \text{ tenths} + 7 \text{ hundredths} =$

REASONING



Jess says,



3.105 is greater than 3.2
because it has more digits

Do you agree? Explain why.

Empty rounded rectangular box for writing an answer.

Empty rounded rectangular box for writing an answer.