Tuesday 29th June

Final part of Arithmetic Calculation focus today.

Revision notes today:

If you have to find a % of an amount which is not in your key learn by heart set, think carefully. E.g to find 9% you could find 1% (find one hundredth and then x by9) to find 35% you could find 10% and find 70% (find one tenth then x by 7) and then because you know 35% is half of 70% you can half your 70% answer. You can always find a way to convert to fractions and use the key learn by heart conversions as stepping stones to the answer.

If you multiply a mixed number e.g. 8 x $3\frac{1}{4}$ partition and multiply the whole numbers first then the fractions then re-combine e.g

"8 x 3 is 24 then 8 x$\frac{1}{4}$ = 2 wholes so 24 +2 =26"

*to divide a fraction by a whole number think real life pies/pizzas shared between people so $\frac{2}{5}$ ÷2 think " two fifths of pizza shared between 2 people is one fifth for each person"

If you can't physically share out, you will have to convert the fraction numerator (slices) so that it is possible

e.g $\frac{2}{3}$ ÷3 so 2 of the thirds cannot be shared between 3 people so we need to convert to a multiple of 3 so if we find an equivalent fraction by multiplying the numerator by 3 and remember we have to do the same to the denominator so our equivalent fraction will become

$\frac{6}{9}$ ÷3   Now we can divide between 3 people and they will have

$\frac{2}{9}$ each.

Firstly:

I have copied out the questions this time;

27) 85% of 280

28) 9 x $2\frac{1}{4}$

29) $\frac{2}{3} + \frac{1}{4}$

30) 3598 ÷ 14

31) $\frac{3}{8}$ ÷ 3

32) 2 x (17-6)

33) 786 x 56

34) $2\frac{1}{3}$ minus $\frac{2}{5}$

35) 2795 ÷ 43

36) $\frac{2}{3}$ ÷ 3

Answer Sheet: Key Stage 2: Arithmetic Paper 1

Guidance: Children will have 30 minutes for this test. Long division and long multiplication questions are worth **2 marks** each. Children will be awarded 2 marks for a correct answer. They may get 1 mark for showing a formal method. All other questions are worth 1 mark each.

question	answer	marks
1	924	1
2	476	1
3	3.1	1
4	75	1
5	5628	1
6	438	1
7	45	1
8	6.712	1
9	108	1
10	$\frac{2}{3}$ or $\frac{4}{6}$	1
11	490	1
12	43	1
13	756	1
14	3153	1
15	1300	1
16	$\frac{7}{10}$	1
17	350	1
18	110	1
19	71.8	1
20	34 562	1
21	17.2	1

question	answer	marks
22	762	1
23	15.88	1
24	635 464	1
25	$\frac{1}{15}$	1
26	855	2
27	238	1
28	$20\frac{1}{4}$	1
29	$\frac{11}{12}$	1
30	257	2
31	$\frac{1}{8}$	1
32	22	1
33	44 016	2
34	$1\frac{14}{15}$	1
35	65	2
36	$\frac{2}{9}$	1
		Total 40