Puzzles and Problems

In the table below all the rows and all the columns are supposed to add up to the same value 119. However someone has made a mistake and one of the numbers is wrong.

Find out which number is wrong and what it should be.

62	34	23	
25	13	92	
32	72	15	

In the table below all the rows and all the columns are supposed to add up to the same value 256. However someone has made another mistake (!) and the chart is incomplete.

Find the missing numbers and fill in the gaps.

114	83		256
	47	157	256
90	126		256
256	256	256	

Puzzles and Problems Sheet 2

1. Choose any 3 numbers, add them up. Find as many ways as possible of making 1000.

332	200	570	411
490	625	334	298
224	365	150	280
310	77	265	334

2. Choose any 4 numbers, add them up. Find as many ways as possible of making 1000.

275	382	81	174
206	117	414	262
483	173	239	138
331	230	325	170

3. Choose any 4 numbers, add them up. Find as many ways as possible of making 1500.

365	385	374	125
749	385	390	249
236	248	751	360
376	247	365	252

4. Find the difference between any 2 numbers. Which pairs have a difference of 175?

375	421	577	596
300	550	256	431
725	900	752	100
257	440	265	125

5. Find the difference between any 2 numbers. Which pairs have a difference of 123?

123	246	349	143
373	496	252	860
737	129	472	619
256	379	129	128

6. If each column and row must add up to 256, which number in this table would you need to change?

64	67	36	89
48	69	82	57
70	86	51	52
74	34	90	58

Term 2b unit 11- Puzzles and problems y5/6 ; Addition and subtraction

<u>Puzzles and Problems</u> Sheet 3

1. Which of the numbers in the square below can be divided by two without remainders?

332	200	570	411
490	625	334	298
224	365	150	280
310	77	265	334

2. Which of the numbers in the square below can be divided by 5 without remainders?

275	382	81	174
206	117	414	262
483	173	239	138
331	230	325	170

3. Which of the numbers in the square below can be divided by 3 without remainders?

365	385	374	125
749	385	390	249
236	248	751	360
378	247	365	252

4. Which of the numbers in the square below can be divided by 4 without remainders?

375	440	577	596
316	550	256	432
725	924	752	100
257	440	252	125

5. Which of the numbers in the square below are exactly divisible by 9?

123	246	349	143
373	418	252	836
737	129	427	619
245	379	129	128

6. Fill the square below with numbers which are exactly divisible by both 4 and 8.