Times Tables

Objective: I can recall times table facts

NMD 1: recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

NPV1 :count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number

Teacher Input Ideas for teaching times tables:

When teaching times table facts to children these principles may help:

- Showing the children arrays of objects to help them to understand how multiplication works.
- Understanding that multiplication is commutative so that the sums can be written either way. This helps to mentally work out multiplication sums as we can change the positions of the amount help. for example 2 x 9 may be each to count in 9s than in 2s.
- Looking for patterns such as odd and even numbers and relationships with other times tables, such as the relationship between 2 and 4 times table, 4 and 8 times table and 3 and 6 times table.
- Using knowledge of easier/more familiar times tables such as 5 and 10 to help. for example if I know that 10 x 3 = 30, then 9 times 3 is one group of 3 less so 30 – 3 = 27. If I know that 5x 4 = 20, then 6 lots of 4 will be 24
- Practising counting in songs and to rhythm to help to retain the order.
- Regular repetition and practise.

There are 3 activities provided for each of the times tables in the year 3 national curriculum : 3,4,8 and 50. Each times table has an activity for the children to count in the groups on a hundred square, read and write multiplications sums for that times table and to spot any patterns or facts about each times table.

BRICKWORK Mathematics

Purple Activity

I can count in 3s.

Count in 3s using the hundred square to help. Colour in every multiple of 3 that you can.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

0 x 3 = ☐

1 x 3 = ☐

2 x 3 = ☐

3 x 3 = ☐

4 x 3 = ☐

5 x 3 = ☐

6 x 3 = ☐

7 x 3 = ☐

8 x 3 = ☐

9 x 3 = ☐

10 x 3 = ☐

11 x 3 = ☐

12 x 3 = ☐

BRICKWORK Mathematics

Green Activity

LO: I can count in 3s.

1) Each tricycle has 3 wheels. Count along in 3s filling in the empty boxes.

2) Work out how many wheels there are in each set of tricycles.

a)

b)

c)

d)

e)

f)

Yellow Activity

I can identify multiples of 3.

Look at each statement. Which statements are true and which are false?

	true	false
All multiples of 3 are odd	☐	☐
13 is a multiple of 3	☐	☐
24 is a multiple of 3	☐	☐
Some multiples of 3 are even	☐	☐
42 is a multiple of 3	☐	☐

Write your own true statements about multiples of 3.

BRICKWORK Mathematics

Purple Activity

I can count in 4s

Count in 4s using the hundred square to help. Colour in every multiple of 4 that you can.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

0 x 4 = ☐

1 x 4 = ☐

2 x 4 = ☐

3 x 4 = ☐

4 x 4 = ☐

5 x 4 = ☐

6 x 4 = ☐

7 x 4 = ☐

8 x 4 = ☐

9 x 4 = ☐

10 x 4 = ☐

11 x 4 = ☐

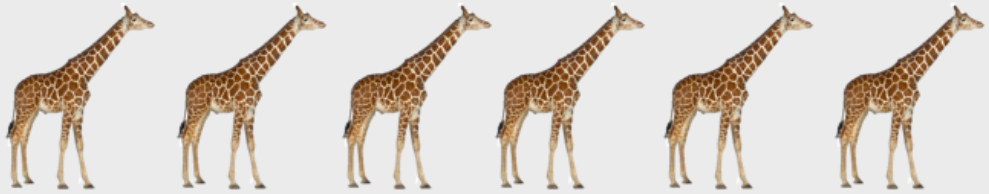
12 x 4 = ☐

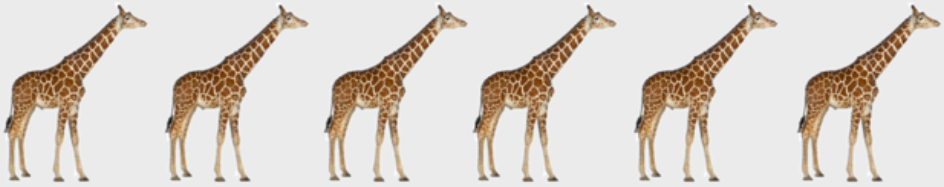
BRICKWORK Mathematics

Green Activity

LO: I can count in 4s.

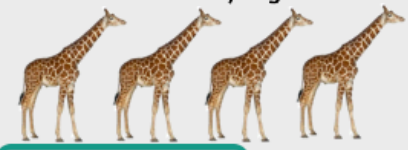
1) Each giraffe has 4 legs. Count along in 4s filling in the empty boxes.



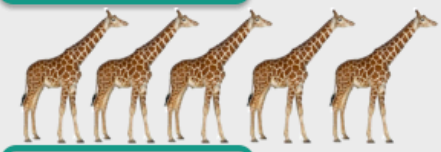


2) Work out how many legs there are in each set of giraffes.

a)

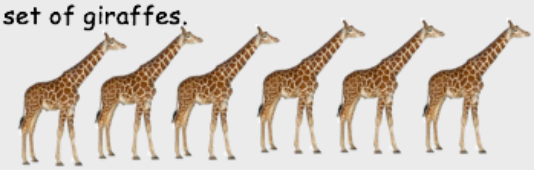


b)

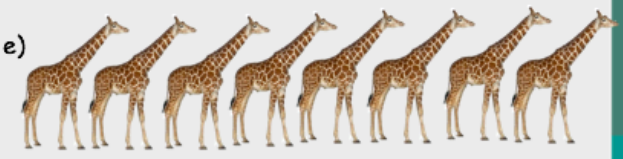


c)

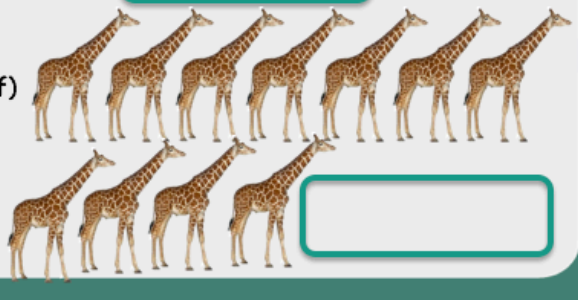
d)



e)



f)

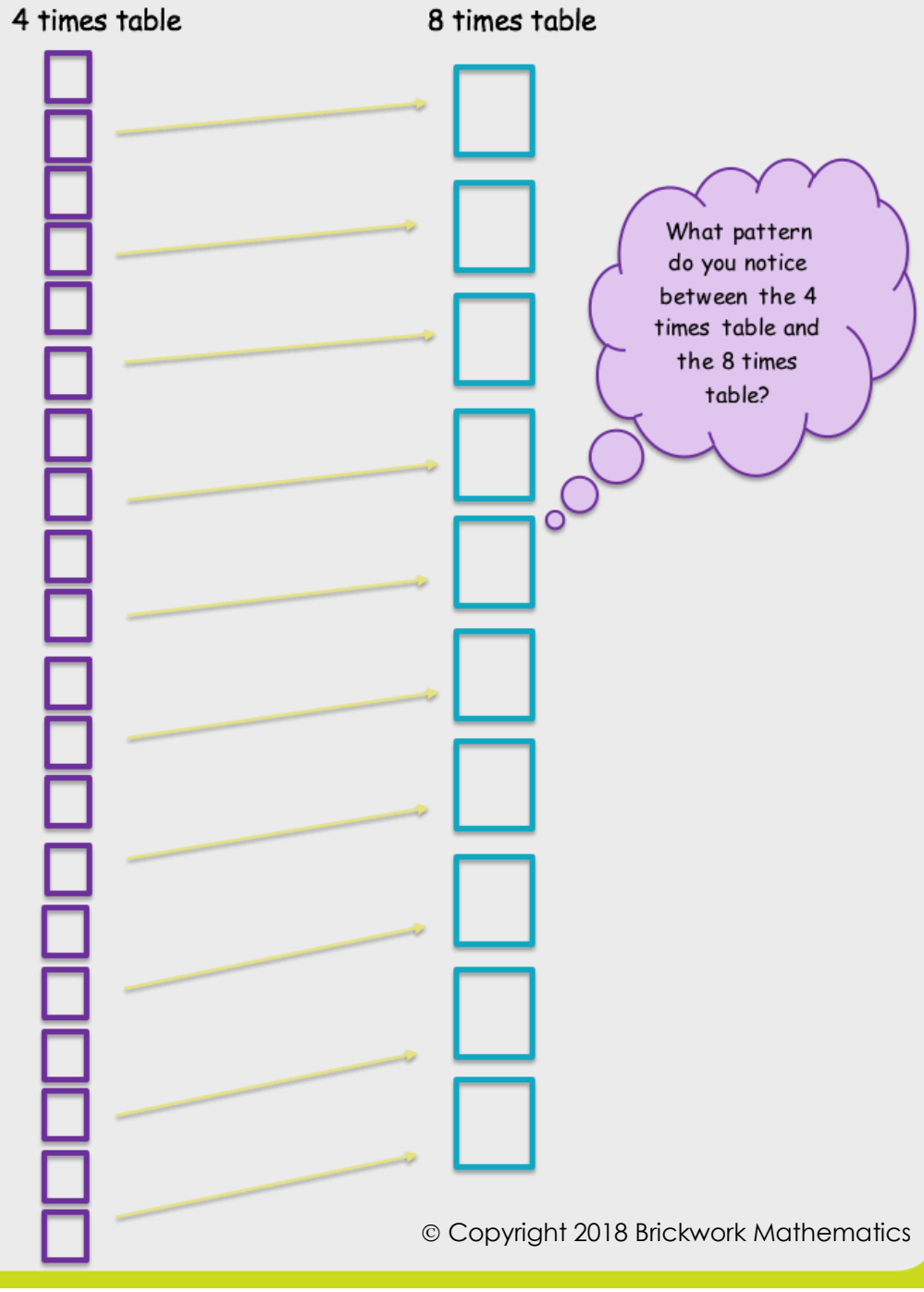


BRICKWORK Mathematics

Yellow Activity

I can spot patterns between times tables.

Write out your 4 times table in the purple boxes. Write out your 8 times table in the green boxes.



BRICKWORK Mathematics

Purple Activity

I can count in 8s

Count in 8s using the hundred square to help. Colour in every multiple of 8.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

0 x 8 = ☐

1 x 8 = ☐

2 x 8 = ☐

3 x 8 = ☐

4 x 8 = ☐

5 x 8 = ☐

6 x 8 = ☐

7 x 8 = ☐

8 x 8 = ☐

9 x 8 = ☐

10 x 8 = ☐

11 x 8 = ☐

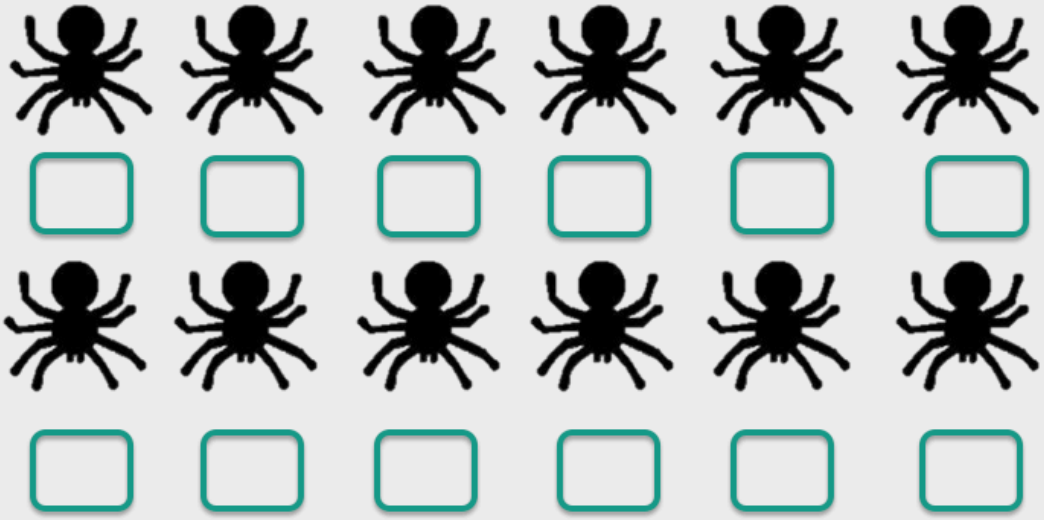
12 x 8 = ☐

BRICKWORK Mathematics

Green Activity

LO: I can count in 8s.

1) Each spider has 8 legs. Count along the spiders in 8s.

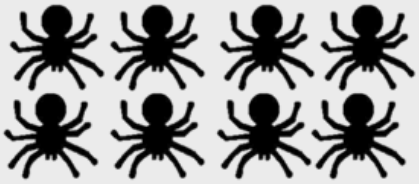


2) Write a sum for each set of spiders below:

a)

b)

c)



d)

e)

f)

BRICKWORK Mathematics

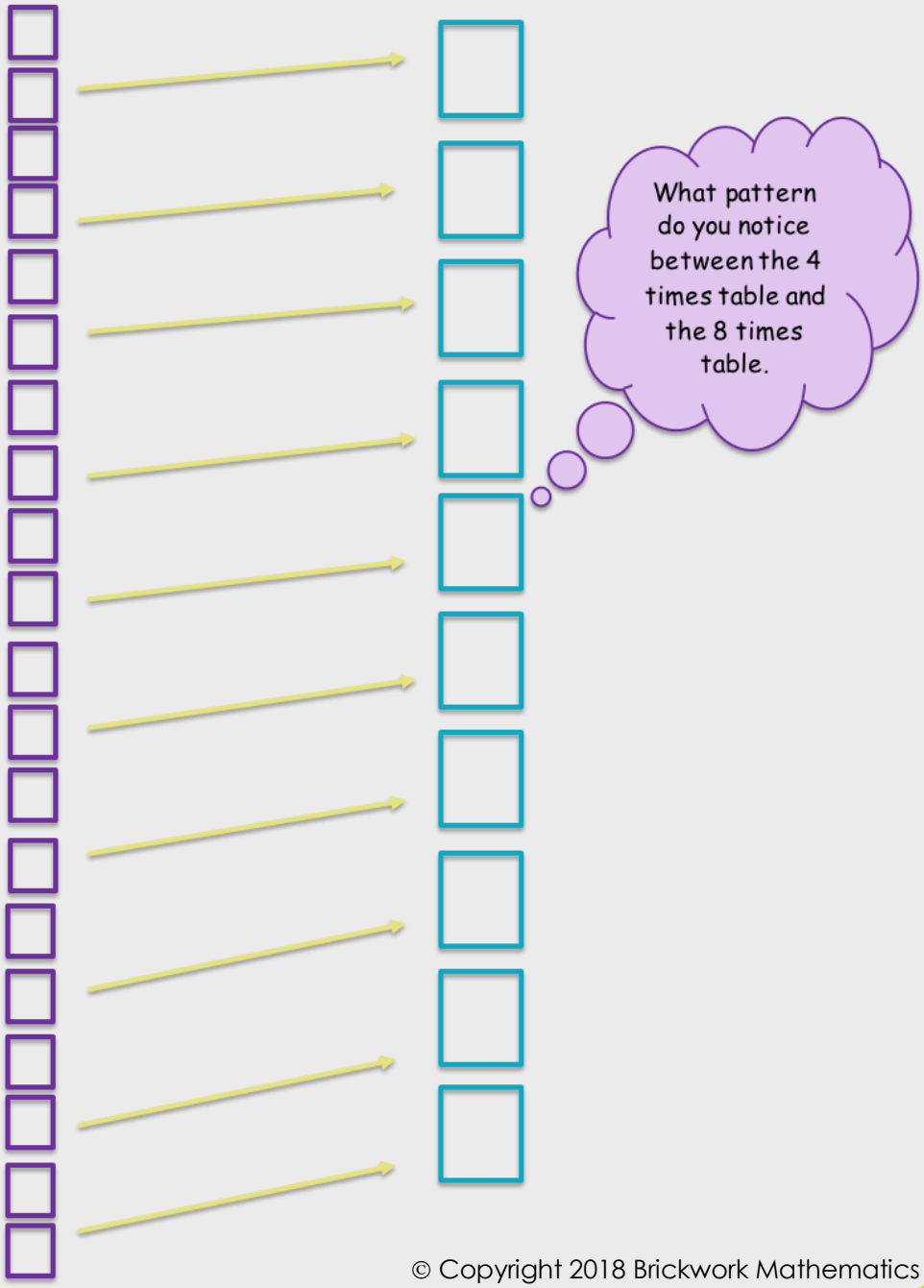
Yellow Activity

I can spot patterns between times tables.

Write out your 4 times table in the purple boxes. Write out your 8 times table in the green boxes.

4 times table

8 times table



BRICKWORK Mathematics

Purple Activity

I can count in 50s

Count in 50s using the hundred squares to help. Colour in every multiple of 50.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300

301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400

BRICKWORK Mathematics

Purple Activity Sheet 2

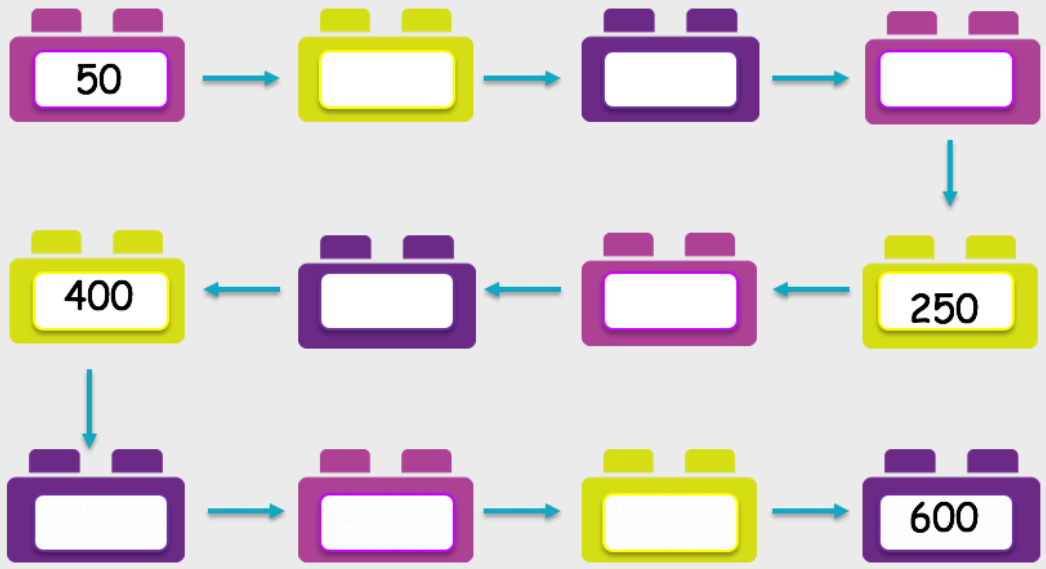
I can count in 50s

Count in 50s using the hundred squares to help. Colour in every multiple of 50.

401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430
431	432	433	434	435	436	437	438	439	440
441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460
461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	500

501	502	503	504	505	506	507	508	509	510
511	512	513	514	515	516	517	518	519	520
521	522	523	524	525	526	527	528	529	530
531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550
551	552	553	554	555	556	557	558	559	560
561	562	563	564	565	566	567	568	569	570
571	572	573	574	575	576	577	578	579	580
581	582	583	584	585	586	587	588	589	590
591	592	593	594	595	596	597	598	599	600

Fill in the blocks in order counting in 50s.

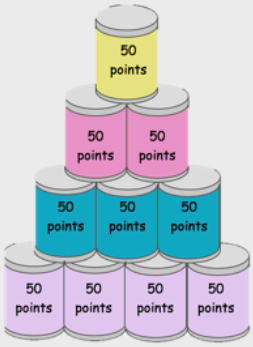


BRICKWORK Mathematics

Green Activity

LO: I can count in 50s.

At a fair, there is a game of hitting the tin cans. Each can is worth 50 points.



1) Count in 50s for each can and complete the sequence below.

50	**100**	**150**							

2) Jayden hits all of the cans. What score did he get?

3) Record each person's score as a sum:

a) I hit 3 cans.

d) I hit 5 cans.

b) I hit 7 cans.

e) I hit 4 cans.

c) I hit 8 cans.

f) I hit 9 cans.

Yellow Activity

I can identify multiples of 50.

Look at each statement. Which statements are true and which are false?

	true	false
All multiples of 50 are odd.	☐	☐
120 is a multiple of 50.	☐	☐
All multiples of 50 end in 0.	☐	☐
312 is a multiple of 50.	☐	☐
900 is a multiple of 50.	☐	☐

Write your own true statements about multiples of 50.