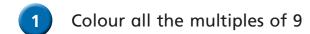


## **Common multiples**



Circle all the multiples of 6

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

List any common multiples of 9 and 6



25 30 16 20 24 60 75 40 multiples of 4

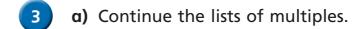




What do you notice?

Describe how to find more common multiples to add to this list.

Would you ever run out of common multiples?



b) Circle the common multiples of 5 and 7









I worked out the common multiples of 4 and 6 by multiplying 4 and 6 together to get 24. Then I added on 24 again and again: 24, 48, 72 . . .

I think your method might miss some common multiples.





Jack

Who do you agree with and why?

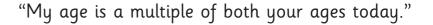
5 Write the first five common multiples of these numbers.

**a)** 2 and 3

**b)** 3 and 12

**c)** 15 and 10

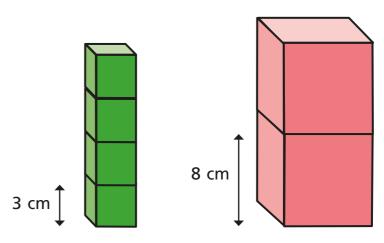
6 Rita has 2 grandchildren in different years at school.
On Rita's 90th birthday she says to her grandchildren,



How old could Rita's grandchildren be?

Describe two different solutions.

7



Scott is building a tower from blocks 3 cm tall.

Dora is building a tower from blocks 8 cm tall.

They each build a tower taller than 50 cm, but shorter than 1 m.

The towers are exactly the same height.

How tall could the towers be?





