



year 5 maths challenge cards

hard maths

Look for the pattern in each row (you get the number in the circle by doing something with the other three numbers) and then work out what the missing number must be.

3 — (12)	6 — (9)	3 — (20)	4 — ()
5 — 4	2 — 1	7 — 10	5 — 8

3 — (16)	5 — (13)	2 — (27)	4 — ()
4 — 5	3 — 2	10 — 5	4 — 4

5 — (13)	6 — (3)	3 — (7)	4 — ()
2 — 3	9 — 2	5 — 4	10 — 5



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grandad makes a difference

Sam lives at home with his mum and dad. He works out that the average age of those in the house is 32. One day Sam's grandfather comes to visit and it crosses Sam's mind that the average age of those in the house must now have gone up a bit. He works out the new average age and finds that it's 42. How old is Sam's grandfather?