A term in a Fibonacci sequence is obtained by adding together the previous two terms

Ex $\quad 1,1,2,3,5,8,13,21,34, \ldots$
Exam Questions Find next two terms

$$
3,3,6,9,15,24,39
$$

First 3 terms in Fibomaca sequence are

$$
a, a, 2 a, 3 a, 5 a, 8 a
$$

Find the $6^{\text {th }}$ term

Other Sequences
$1,2,3,1,2,3,1,2,3, \ldots \ldots$
Find the $34^{\text {th }}$ term $=1$
$2,1, \frac{1}{2}, \frac{1}{4}, \ldots .$.
Next 2 terms $\frac{1}{8}, \frac{1}{16}$

$$
1, \frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \cdots \frac{1}{5}, \frac{1}{6}, \quad \times(-2)
$$

Fluency with sequences Ex 21.15 $P 447$
la) even 2,4,4,6,8,10
b) odd 716 12, 19,21,23,25
c) $\underset{o f 4}{\operatorname{mulp} p l e s} \quad 4,8,12,16,20$
d) $\underset{6>20}{\operatorname{molt}} \underset{20}{ } 24,30,36,42,48$
e) Trio mure than $7,12,17,22,27$
5 times table
f) Square numbers 1,4, 9, 16,25
9) One mure than $2,5,10,17,26$
h) Coven ot $2 \quad 2,4,8,16,32$

