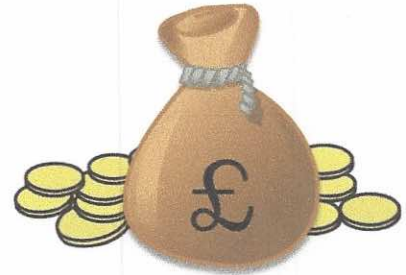
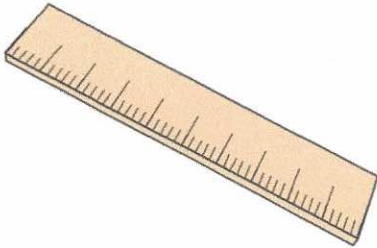


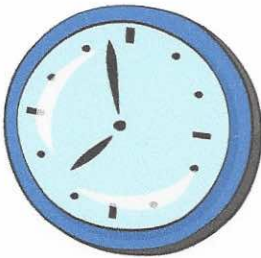
Primary Practice Questions



Corbettmaths



Sequences



Tips

- Read each question carefully
- Attempt every question.
- Check your answers seem right.
- Always show your workings

Recap

Remember

- There are daily questions found at
www.corbettmaths.com/5-a-day/primary

1. The numbers in this sequence increase by the same amount each time

Write the two missing numbers

7

12

17

22

27

-
2. The numbers in this sequence increase by the same amount each time

Write the missing numbers

30

36

42

48

54

60

3. The numbers in this sequence decrease by the same amount each time

Write the next two numbers

70 63 56 49

42

35

-
4. The numbers in this sequence increase by 13 each time

Write in the two missing numbers

88

101

114

127

140

153

5. The numbers in this sequence **decrease** by the same amount each time

$$\begin{array}{ccccccc} & & -2000 & & & & \\ & \swarrow & & \searrow & & & \\ 407,321 & & 405,321 & & 403,321 & & 401,321 \dots \end{array}$$

What is the next number in the sequence?

$$\begin{array}{r} \overset{3}{\cancel{4}} \overset{9}{\cancel{0}} \overset{1}{\cancel{1}}, 321 \\ - \quad 2,000 \\ \hline 399,321 \end{array}$$

399,321

6. Here is part of a number sequence.

The numbers increase by the same amount each time.

... 350 400 450 500 ...

Circle all of the numbers below that would appear in the sequence.

740

900

905

950

1000

7. The numbers in this sequence increase by 10 each time.

6 16 26 ...

The sequence continues in the same way.

Write **two** numbers from the sequence that add to make 102

6
16
26
36
46
56
66
76
86
96
106
:
etc
:

	6	and	96
or	16		86
or	26		76
or	36		66
or	46		56

8. The numbers in this sequence increase by 25 each time.

10 35 60 85 ...

The sequence continues in the same way.

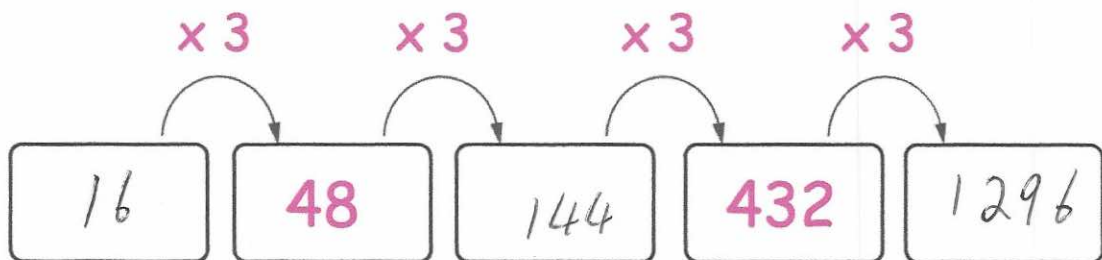
Which number in the sequence will be closest to 350?

10
35
60
85
110
135
160
185
210
235
260
285
310
335
360

360

9. Here is a sequence

Write the missing numbers



$$\begin{array}{r} 48 \\ \times 3 \\ \hline 144 \end{array}$$

$$\begin{array}{r} 432 \\ \times 3 \\ \hline 1296 \end{array}$$

10. Louis makes a sequence of numbers.

His rule is “find half the last number and then add 20.”

Find the next two numbers in his sequence

56

48

44

42

41

$$44 \div 2 = 22$$

$$20 + 22 = 42$$

$$42 \div 2 = 21$$

$$21 + 20 = 41$$

11. The first two numbers in this sequence are 3.4 and 2.7

The sequence then follows the rule

'to find the next number, add the two previous numbers'

Write in the next two numbers in the sequence

3.4

2.7

6.1

8.8

14.9

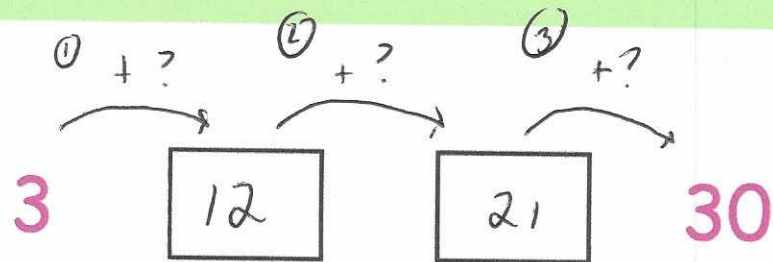
23.7

$$\begin{array}{r} 8.8 \\ + 6.1 \\ \hline 14.9 \end{array}$$

$$\begin{array}{r} 14.9 \\ + 8.8 \\ \hline 23.7 \end{array}$$

12. The numbers in this sequence increase by the same amount each time.

Write in the missing numbers



$$30 - 3 = 27$$

$$27 \div 3 = 9 \quad (\text{add } 9 \text{ each time})$$

13. Polly makes a sequence of numbers starting with 500.

She subtracts 145 each time.

Write in the next two numbers in the sequence

500

355

210

65

-80

-225

14. The numbers in this sequence increase by 4 each time.

4 8 12 16 ...

The numbers in this sequence increase by 7 each time.

7 14 21 28 ...

Both sequences continue

Write a number **greater than 100** which will be in **both** sequences

28 56 84 112

112

or any multiple
of 28

15. The numbers in this sequence increase by 9 each time.

1 10 19 28 37 ...

The sequence continues in the same way.

Will 900 be in the sequence? Explain why

Yes ☒ No

Each number in the sequence is one more than the multiples of 9. Therefore no multiple of 9 is in the sequence.

16. A sequence of numbers starts at 15 and follows the rule
"treble the last number and add 4"

15 49 151 457 ...

The number 4129 is in the sequence

Calculate the number which comes immediately **before** 4129 in the sequence

$$4129 - 4 = 4125$$

$$\begin{array}{r} 1375 \\ 3 \overline{) 4125} \end{array}$$

1375
