

Name:

Exam Style Questions

## Odd and Even Numbers



Equipment needed: Pen

### Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

[www.corbettmaths.com/contents](http://www.corbettmaths.com/contents)

Video 221a



Answers and Video Solutions



1. List the first 5 odd numbers.



1 3 5 7 9

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(1)

2. List all the even numbers between 9 and 17



10 12 14 16

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(1)

3. Circle the odd number



20    25    26    28

(1)

4.



7	15	18	23
16	29	31	

Circle all the even numbers

(1)

5. Here is a list of numbers.



18      22      34      41      56      80

From the numbers in the list, write down

(a) an even number

18  
.....  
or 22, 34, 56, 80 (1)

(b) an odd number

41  
.....  
(1)

6. Here is a list of 7 numbers.



6      11      12      20      24      25      29

From the numbers in the list, write down

(a) an odd number

25  
.....  
or 11, 29 (1)

(b) an even number

20  
.....  
or 6, 12, 24 (1)

7. Isaac says that all the digits in an even number are even.



Explain why Isaac is incorrect.

Only the last digit needs to be even.  
e.g. 74 or 118

(1)

8. Here is a list of numbers



105

116

158

171

(a) Find the sum of the odd numbers

$$\begin{array}{r} 171 \\ + 105 \\ \hline 276 \end{array}$$

276

(2)

(b) Find the difference between the even numbers

$$\begin{array}{r} 158 \\ - 116 \\ \hline 42 \end{array}$$

42

(2)

9. Andrea adds two odd numbers.



Is the correct answer, odd, even or either?

odd

even

either

$$5 + 7 = 12$$

$$91 + 3 = 94 \text{ etc.}$$

(1)

10. Here is a list of numbers



38

63

42


87

55

Write the numbers in the diagram below.

	Even	Odd
Multiple of 3	42	63, 87
Not a multiple of 3	38	55

(2)

11.  Lucy writes down a number.  
The number is even and it is a factor of 14.

There are two possible numbers that Lucy could have written down.


Write down the two numbers.

factors of 14

1, 2, 7, 14

2 and 14

.....  
(2)

12.  Write down an odd prime number.

any prime except 2.

e.g. 3, 5, 7, ...

19

.....  
(1)

13.  Write down an even square number.

$$2^2 = 4$$

$$4^2 = 16$$

$$6^2 = 36$$

$$8^2 = 64$$

$$10^2 = 100 \text{ etc.}$$

100

.....  
(1)

14. Shown below are 4 number cards.



Using the number cards, make

(a) the smallest possible 2 digit number.

$$\begin{array}{r} 26 \\ \hline \end{array} \quad (1)$$

(b) the largest possible 4 digit **odd** number.

$$\begin{array}{r} 8629 \\ \hline \end{array} \quad (1)$$