# mini e-book

**Maths**

# Even And Odd Numbers

# For Middle Primary

# mini e-book

## Contents

# Even or odd 1

How can you tell when a number is even or odd? You can divide an even number by 2 and there will be no numbers left over.

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**REMEMBER** | Even numbers end in the digits: 0, 2, 4, 6 and 8.
Odd numbers end in the digits: 1, 3, 5, 7 and 9.

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## 1 Even or Odd Quiz

**Take the quiz. Write E if the answer is an even number and O if the answer is an odd number.**

| | | |
|---|---|---|
| **1.** Number of stars on the Australian flag. | 6 | **E** |
| **2.** The total number of your fingers and toes. | 20 | |
| **3.** Number of players on the field at the start of a cricket match. | 13 | |
| **4.** Number of states and territories in the Australian Commonwealth. | 8 | |
| **5.** Number of letters in the alphabet. | 26 | |
| **6.** The total number of letters in the names of months beginning with "J." | 15 | |
| **7.** Number of minutes in an hour. | 60 | |
| **8.** Number of bones in the adult human body. | 206 | |
| **9.** Number of wings on seven butterflies. | 28 | |
| **10.** The number many people believe is lucky. | 7 | |
| **11.** Number of rings in the Olympic logo. | 5 | |
| **12.** Number of metres high of Mt. Kosciusko. | 2228 | |

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## 2 What happens?

**Choose your own numbers to make odd and even sums below. Write the answer in blue if it is EVEN and the answer in green if it is ODD. Look at the example to help you.**

EVEN   +   ODD   ➜   6 + 13 = 19 (ODD)

EVEN   +   ODD   ➜   _____

EVEN   +   EVEN   ➜   _____

ODD   +   ODD   ➜   _____

What happens when you add 10 to an even number? _____

What happens when you add 100 to an odd number? _____

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# Which number comes next?

**Add numbers to complete the patterns.**

**1** ( 25 ) ( 26 ) ( 27 ) ( 28 ) ( 29 ) ( ) ( ) ( ) ( ) ( )

**2** ⟨ 18 ⟩ ⟨ 17 ⟩ ⟨ 16 ⟩ ⟨ 15 ⟩ ⟨ 14 ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩

**3** [ 78 ] [ 77 ] [ 76 ] [ 75 ] [ 74 ] [ ] [ ] [ ] [ ] [ ]

**4** ◇ 48 ◇ 50 ◇ 52 ◇ 54 ◇ 56 ◇ ◇ ◇ ◇ ◇

**5** ( 95 ) ( 90 ) ( 85 ) ( 80 ) ( 75 ) ( ) ( ) ( ) ( ) ( )

**6** ⟨ 12 ⟩ ⟨ 15 ⟩ ⟨ 18 ⟩ ⟨ 21 ⟩ ⟨ 24 ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩

**7** [ 49 ] [ 51 ] [ 53 ] [ 55 ] [ 57 ] [ ] [ ] [ ] [ ] [ ]

**8** ◇ 4 ◇ 14 ◇ 34 ◇ 64 ◇ 104 ◇ 154 ◇ ◇ ◇ ◇

How was the number pattern made in sequence 8?

_____

**Make your own counting sequences for a classmate to complete.**

**9** ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )

**10** ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩ ⟨ ⟩

# Even or odd 2

**1.** Complete each box with a number. Shade in the box if the number is odd. (Hint: An odd cannot be divided evenly by two.)

| | | |
|---|---|---|
| The day of the month on which I was born: | My special number: | The number of pets I've ever had: |
| The number of children in my class today: | | The number of letters in all my names: |
| The number of people who I live with: | The number of my house: | The number of different places I've lived in: |

**2.** Write down how many even numbers can be added together to get a total of 26? You can't repeat numbers! (Hint: There is more than one answer.)

_____

_____

**3.** Which two odd numbers can be added together to get a total of 54? (Hint: There is more than one answer.)

_____

**4.** Circle the operation if it gives you the answer 63.

   **a.** Adding two even numbers.

   **b.** Adding an odd and an even number.

   **c.** Multiplying two odd numbers together.

   **d.** Subtracting an even number from an odd number.

**5.** Write down two facts about odd and/or even numbers.

| Fact 1 | Fact 2 |
|---|---|
| | |

## Answers

**Page 3**
1) 30,31,32,33, 34  2) 13,12,11,10,9  3) 73,72,71,70,69  4) 58,60,62,64,66
5) 70, 65, 60, 55,50  6) 27, 30, 33,36,39  7) 59,61,63,65,67  8) 214,284,364,454 (4+10=14,
14+20=34, 34+30=64,64+40=104...)

**Page 4**
1) 2-E  3-O 4-E  5-E  6-O 7-E 8-E 9-E 10-O 11-O 12-E 2) When you add 10 to an even number
(EVEN); When you add 100 to an odd number (ODD).

**Page 5**
**1)**Students' own answers
**2)**2+4+6+8; 10+12+4; 18+6+2
**3)**27+27; 17+37; 7+47; 49+5; 51+3…
**4)**b. and c.
**5)** Sample responses: doubling an odd number = even number; subtracting odd numbers =
even numbers