Name & Surname: _____ Class: _____ Date: _____

Even or Odd to 20

Pair it, count by 2s, write the doubles!

About 35 minutes Level ★★★☆☆

Even or Odd?

An **even number** can be put into **pairs** with no leftover. It splits into two **equal groups**.

- Count the objects. Make **pairs** of 2 or count by **2s**: 2, 4, 6, 8...
- No leftover means **even**. One leftover means **odd**.
- For **even**, write two **equal addends**: 8 = 4 + 4.



Task A

/6

Write the missing numbers. Say if each line shows even or odd numbers.

1	2	4	6	8		
2	1	3	5	7		
3	14	12	10	8		

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Pair and Decide

Practice pairing to 20 and writing doubles.

Key words

even number: a number that pairs with no leftover, like 6

odd number: a number that pairs with 1 leftover, like 7

pair: a group of 2 things that go together

addend: a number added to another number

Task B

/10

Decide even or odd by pairing. Write the equal addends.

WARM UP

1 6 dots make 3 **pairs** with no leftover. Is 6 **even** or odd?

Answer: _____

2 7 dots make 3 **pairs** with 1 leftover. Is 7 even or **odd**?

Answer: _____

3 Count by **2s**: 2, 4, 6, 8. What **number** comes next?

Answer: _____

4 10 is split into two **equal groups**. How many in each **group**?

Answer: _____

PRACTICE

5 14 buttons make 7 **pairs** with no leftover. Is 14 **even** or odd?

Answer: _____

6 Write 14 as two **equal addends**: __ + __ = 14. What is each **addend**?

Answer: _____

7 Write 8 as a **sum** of two **equal addends**. What is each **addend**?

Answer: _____

PROBLEM SOLVING

8 A student pairs 16 crayons by **2s** with no leftover. Is 16 **even** or odd?

Answer: _____

9 A student pairs 13 marbles by **2s** and has 1 leftover. Is 13 **even** or **odd**?

Answer: _____

10 Complete the **equation** for 18 as doubles: 9 + 9 = ?

Answer: _____

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Find the Mistake

Spot the wrong step and fix it.

Task C

/4

Find the wrong step in each. Explain the mistake.



Student A

Is 12 **even** or **odd**? Show **pairing**.

1. Pair 12 objects by 2s.
2. Makes 6 pairs with 0 leftover.
3. So 12 is odd.

The mistake is in step: _____

What went wrong?

.....

Correct answer: _____



Student B

Share 10 counters into 2 **equal groups**. How many in each **group**?

1. 10 shared into 2 equal groups means 10 ÷ 2.
2. 10 ÷ 2 = 4.
3. So each group has 4.

The mistake is in step: _____

What went wrong?

.....

Correct answer: _____

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Count by Twos

More practice with numbers to 20.

Task D

/10

Count by 2s to test even and odd.

WARM UP

1 4 socks make 2 **pairs** with no leftover. Is 4 **even** or odd?

Answer: _____

2 9 buttons make 4 **pairs** with 1 leftover. Is 9 even or **odd**?

Answer: _____

3 Count by **2s** to 18: 2, 4, 6, 8, 10, 12, 14, 16, 18. Is 18 **even** or **odd**?

Answer: _____

4 What **number** is 1 more than **18**?

Answer: _____

PRACTICE

5 20 dots make 10 **pairs** with no leftover. Is 20 **even** or **odd**?

Answer: _____

6 Write 20 as two **equal addends**. What is each **addend**?

Answer: _____

7 Complete the **equation**: 3 + 3 = ?

Answer: _____

PROBLEM SOLVING

8 A student lines up 15 pencils in **pairs** with 1 left over. Is 15 **even** or **odd**?

Answer: _____

9 Two **equal teams** need 16 players in all. How many on each **team**?

Answer: _____

10 Explain how you know 11 is **odd** using **pairing**. Use leftover in your answer.

Answer: _____

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Equal Groups Show Even

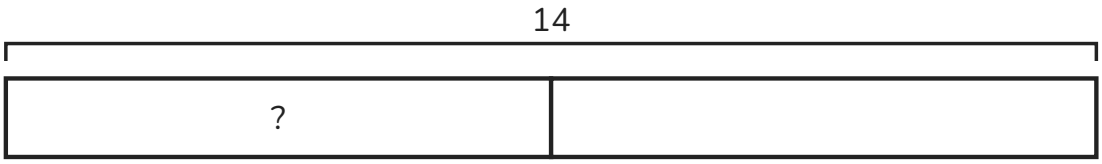
Use bar models and order the steps.

Task E

/4

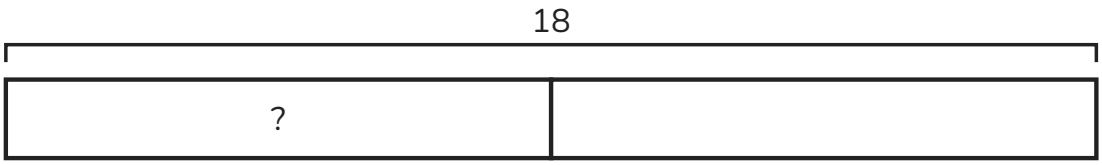
Use the bar model to find the missing equal group.

1. A student puts 14 counters into 2 **equal groups**. How many counters in each **group**?



Answer: _____ **counters**

2. 18 apples are packed into 2 **equal bags**. How many in each **bag**?



Answer: _____ **apples**

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Even or Odd to 20

Task F

Example done for you

/4

Put the pairing steps in the right order.

- [ ] For **even**, write two **equal addends**, like 6 = 3 + 3.
- [ ] Count by **2s** and look for a **leftover**.
- [ ] Put the objects into **pairs** of 2.
- [1] Count the objects up to 20.
- [ ] No leftover means **even**; 1 leftover means **odd**.

How did I do?

Circle a face for each line.

I can tell if a number to 20 is even or odd by pairing.	☹	😐	☺
I can count by 2s to check even and odd.	☹	😐	☺
I can write an even number as a sum of two equal addends.	☹	😐	☺

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Answer sheet: Even or Odd to 20

Task A

1. 10, 12
2. 9, 11
3. 6, 4

Task B

1. even
2. odd
3. 10
4. 5
5. even
6. 7
7. 4
8. even
9. odd
10. 18

Task C

1. Step 3 is wrong: They paired correctly but mixed up the rule. No leftover means even, not odd. Correct answer: even
2. Step 2 is wrong: They divided wrong. 4 + 4 = 8, not 10. Two equal groups for 10 must be 5 and 5. Correct answer: 5

Task D

1. even
2. odd
3. even
4. 19
5. even
6. 10
7. 6
8. odd
9. 8
10. 11 makes 5 pairs with 1 leftover, so it is odd.

Task E

1. 7 counters
2. 9 apples

Task F

1. Count the objects up to 20. 2. Put the objects into pairs of 2. 3. Count by 2s and look for a leftover. 4. No leftover means even; 1 leftover means odd. 5. For even, write two equal addends, like 6 = 3 + 3.

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