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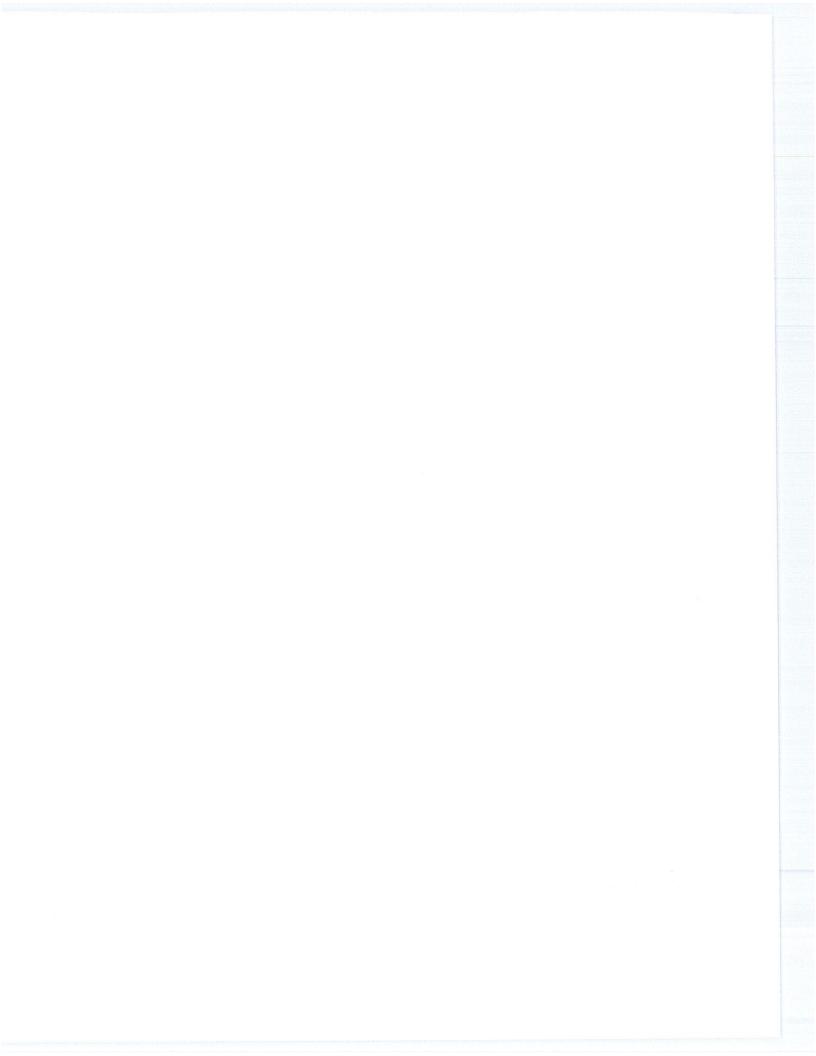
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16 17 18 19 20 21 22 9 8 7 6 5 4 3 2 1



That's Odd

Choose the even number.

1 or

2 or

3 or

4 or |

5 or

6 or

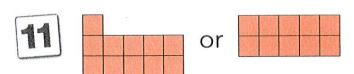
Choose the odd number.

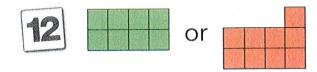
7 or

8 or

9 or ___

10 or





 A
 B
 C
 D
 E
 F

 12
 I
 3
 4
 9
 10

 6
 II
 8
 7
 2
 5

 G
 H
 I
 J
 K
 L

Objective: Identify an odd or even number using a model.

Another Oddity

Name the even number.





























Even means you can make pairs. Odd means there is one left over when you make pairs.

Name the odd number.



































_administration in the second	A	B	C	D	E	F
	3	3	7	10	9	17
	2	4	6	11	14	8

Objective: Identify a number as even or odd, given a model.



Even More

Name the odd number.

1 0000000 0000 000000 00000

2 666 or 66666

3 0000 or 00000

4 999999 or 9999999

5 0000000000 or 00000000

6 0000000 or 00000000

Name the even number.

7 00000 or 0000 8 000000 or 000

9 00000000 00000000 0000000 000000000

10 0000000 or 00000

12 0000000 000000

E D A C 10 20 18 12 9 19 15 17 16 13 14 | |K H J G

Even Pairs

Example

Pair objects to decide if the number is odd or even.



8 is an even number.

Which number is odd?















Which number is even?













A	В	Č	D	E	F
17	7	20	11	5	3
12		14	9	16	4
G	H	I	J	K	\mathbf{L}

Even Steven

Choose the odd number.

1

3 or 6

2

4 or 7

3

5 or 12

4

1 or 10

5

9 or 8

6

10 or 11



You can count by 2's to find even numbers.

Choose the <u>even</u> number.

7

5 or 6

8

4 or 11

9

9 or 8

10

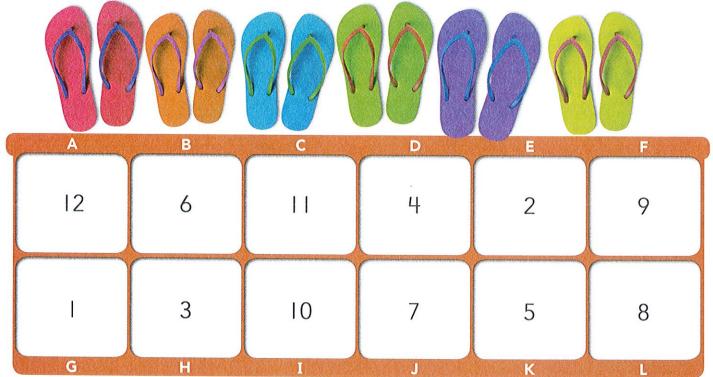
3 or 12

11

2 or 7

12

10 or



Objective: Identify a number as odd or even.



Equal Star Groups

Find the missing number.













groups of 2

groups of 2

groups of 7





5



6



groups of I

groups of 3

groups of 2













groups of 3

groups of 2

group of 8













groups of I

groups of 2

groups of 7

A B C D E F

4 8 6 7 1 2

5 12 3 10 9 11'

G H I J K L

Objective: Find the number of equal groups, given the total and the number in each group.

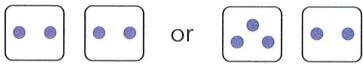


Seeing Double

Name the odd number.











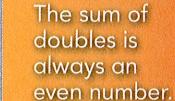


































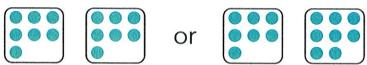




















Name the <u>even</u> number.







or









or









or









or









or









В

or





9

A

12

18

C

8

D

13

E

6

2

5

15

7

| |

14

G

Н

K

Objective: Determine if the sum of equal addends is even or odd.

Double It Up

Which has a sum that is even?



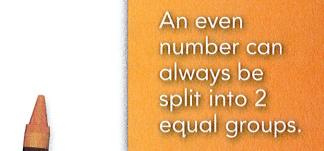
2 7 + 7 or 7 + 8

 $3 \quad 2+3 \text{ or } 3+3$

4 3 + 4 or 4 + 4

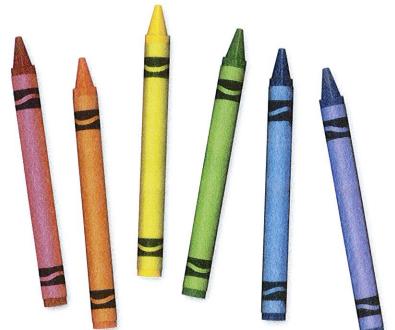
5 9+9 or 9+8

6 5+6 or 6+6



Tip





Which has a sum that is odd?



$$9 \mid 7 + 8 \text{ or } 7 + 7$$



A	В	C	D	E	F
15	18	17	13	3	12
9	6	8	2	14	19
G	Н	Ī	J	K	L

Objective: Determine if the sum is even or odd.

Even Sums

Find the sums.

1 8 + 8

2 5+5

3 2 + 2

4 9+9

5 6+6

6 | + |

7 10 + 10

8 3 + 3

9 7 + 7

10 4+4

Tip

If you add doubles, the sum is always even.

Solve.

Alice found 3 pens,
George found 3 more.
Is the number they have together odd or even?

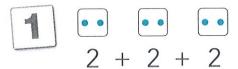
Tahari saw 8 turtles and Maria saw 7 more. Is the number they saw together odd or even?

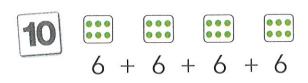
A C D F 2 10 16 18 14 4 odd 6 8 20 12 even G K H

Objective: Find the sum of two addends, using doubles or doubles strategy.



Adding Equal Groups





9	18	8	24	12	21
27 ·	3	16	6	15	20

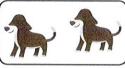
Add Equal Groups

Add to find the total.

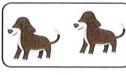




2 +



2

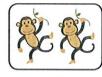


2



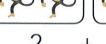
You can skip count to find the total.





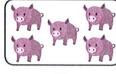
N. N.

2 +

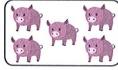


2 + 2

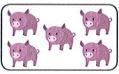
3



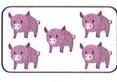
5 +



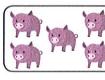
5 +



5



5



5

4



2 +



2



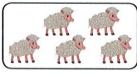
2



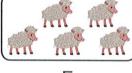
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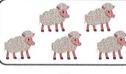


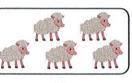
5



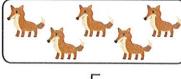
5 +



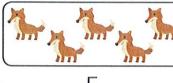




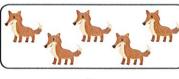
6



5



5



5

7















+ | +

+ |

+

+

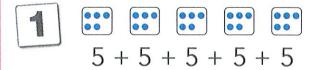
1

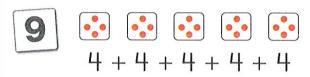
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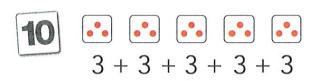


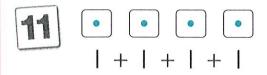
Repeated Addition

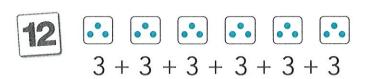
Find the total.











A	В	C	D	Ε	F
25	27	28	18	10	20
8	15	24	9	4	30
G	H	I I	J	K	L

Objective: Use repeated addition of equal groups to find the total.



At Odds

Choose the even number.

14 or 15

18 or 13

12 or 11

20 or 15

19 or 16

10 or 17

Choose the odd number.

| 17 or 18

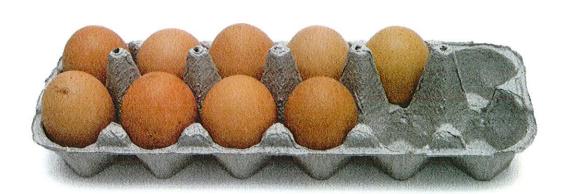
13 or 16

15 or 12

II or I0

9 or 8

10 or 19

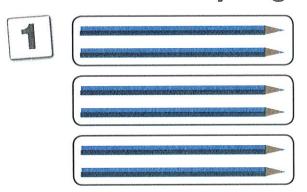


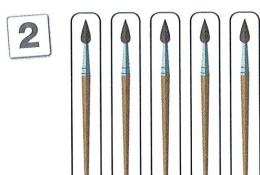
A	В	C	D	E	F
11	17	10	13	9	16
14	20	19	18	15	12
G	H	\mathbf{I}^{ad}	J	K	L

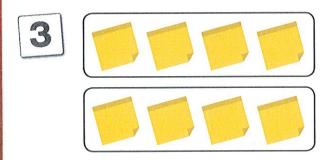
Objective: Identify a number as odd or even within 20.

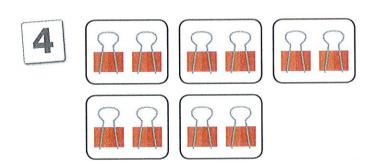
Describe Equal Groups

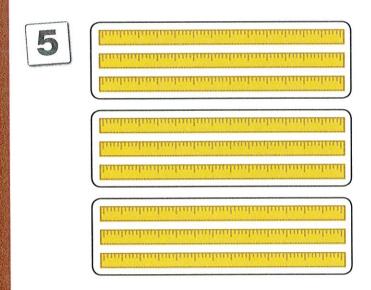
Tell about the equal groups.

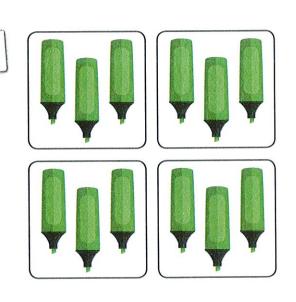


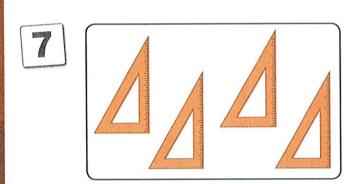


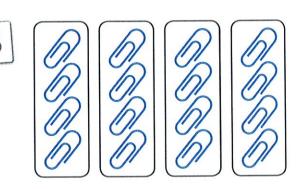


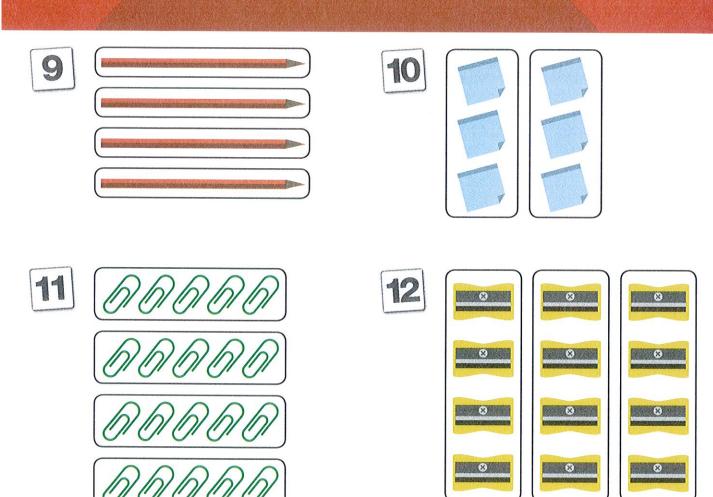


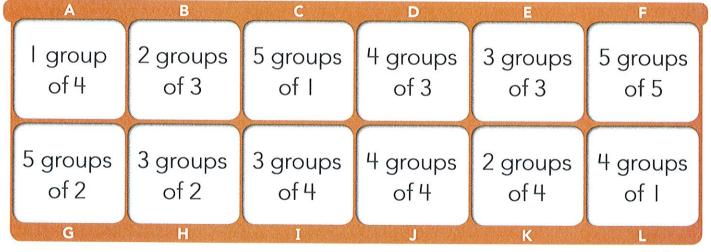












Grouping Triangles

Find the equal groups.



2 2 groups of 10

Tip
There are

3 2 groups of 3

4 6 groups of 2

There are rings around equal groups.

5 7 groups of 1

6 I group of 12

7 2 groups of 9

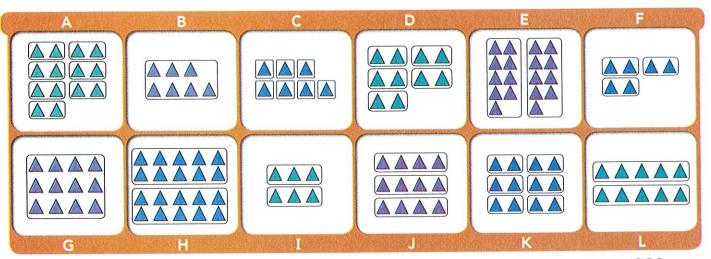
8 I group of 7

9 3 groups of 4

10 3 groups of 2

11 5 groups of 2

12 7 groups of 2



Objective: Use numbers and words to describe equal groups of objects.



Great Groups

Find the missing number.



groups of 3

3 6 groups of M

3 groups of

7 groups of 4

9 groups of I

3 groups of

2 groups of 2

2 groups of

6 groups of 2

8 2 groups of M

2 groups of **10**

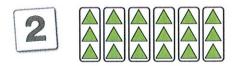
12 I group of M

D C 12 8 10 2 4 7 5 9 3 11 6 H K G

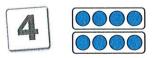
How Many Groups?

Find the number of equal groups.

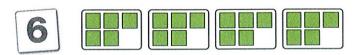


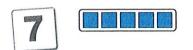


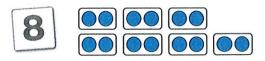






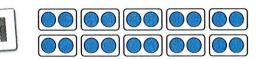




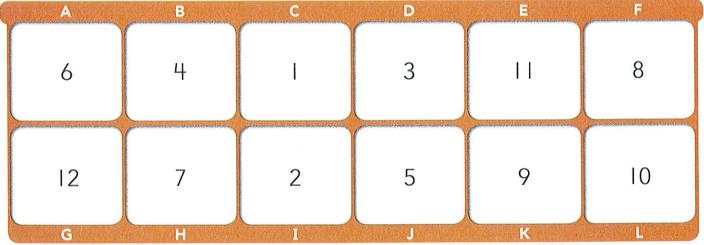












Objective: Find the number of equal groups, given the total and the number in each group.



Addends, Totals, and Arrays

Find the matching pattern.

$$1 2 + 2 = 4$$

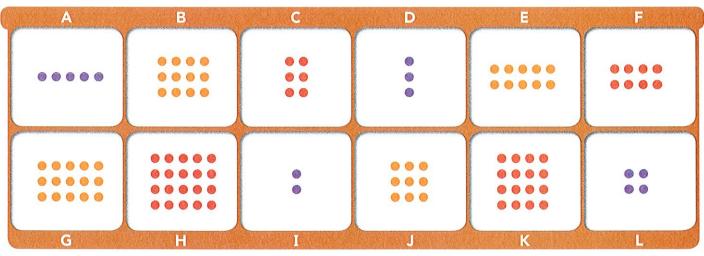
$$5 + 5 = 10$$

$$|5|$$
 2 + 2 + 2 = 6

$$6 5 + 5 + 5 = 15$$

$$9 \mid 3 + 3 + 3 = 9$$

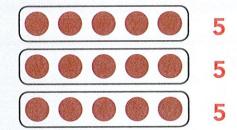
$$11 + 1 + 1 = 3$$



Arrays of Counters

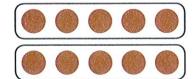
Example

To find the total number of counters, add the number in each row.



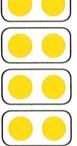
Find the total number of objects.









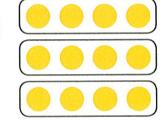


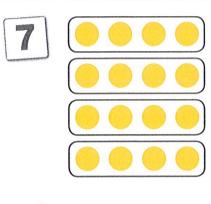


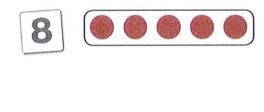


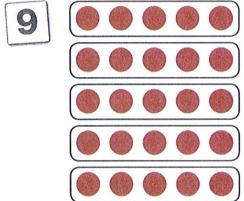


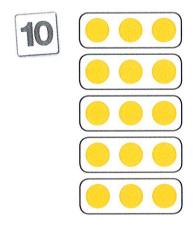


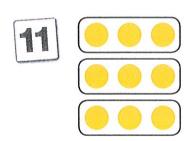


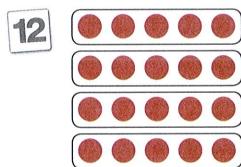












20	3	C 4	25	E 16	10
12	5 H	8	9	6	15

How Many in Your Group?

Find the number in each equal group.

1

2

3

4

5

6 0000

7

8

9 0000

10

12

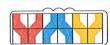
 A
 B
 C
 D
 E
 F

 7
 3
 11
 9
 8
 12

 I
 2
 5
 4
 6
 10

 G
 H
 I
 J
 K
 L

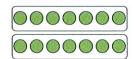
Objective: Find the number in each equal group.

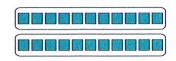


More Fun with Equal Groups!

Find the missing number.









2 groups of

2 groups of

5 groups of







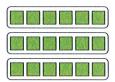


2 groups of

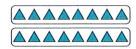
3 groups of

3 groups of





8



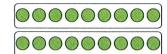


3 groups of

2 groups of

3 groups of













2 groups of

4 groups of

3 groups of 🔳

4

5

11

3

9

6

7

8

2

0

K

10

G

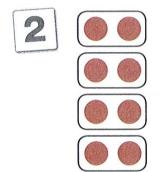
Objective: Find the number in each equal group, given the total and the number of groups.

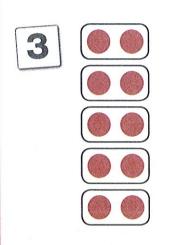


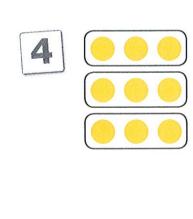
Array Models

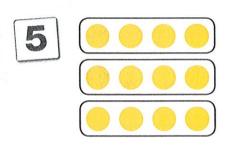
Use counters to make these groups. Add to find the total number.

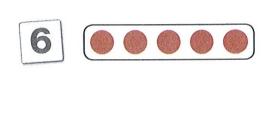


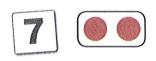


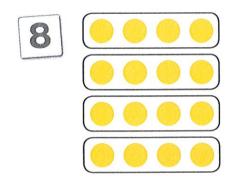


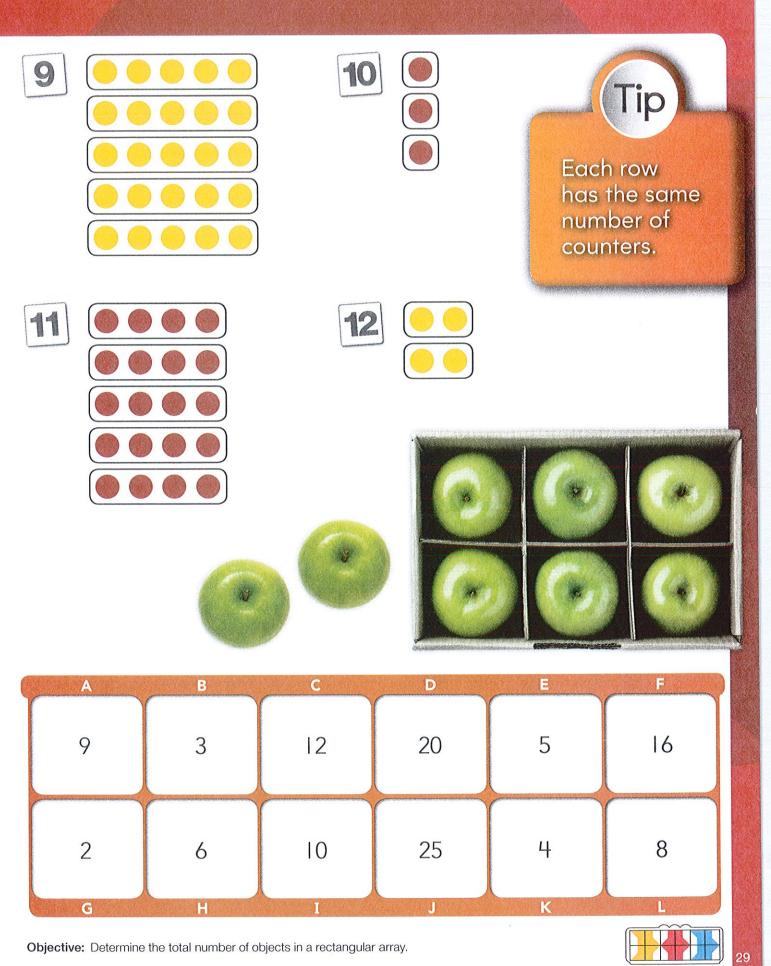












Array Addition

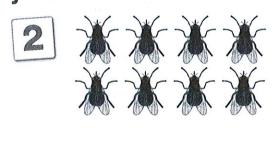
Example

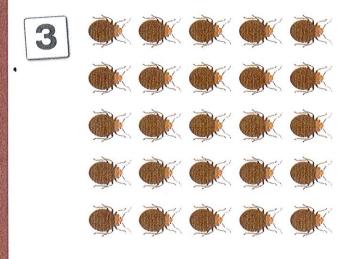
Use addition to find the total number of objects.

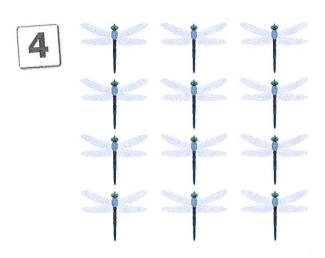
$$4 + 4 + 4 + 4 = 16$$

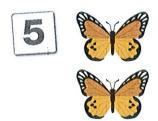


Find the total number of objects.

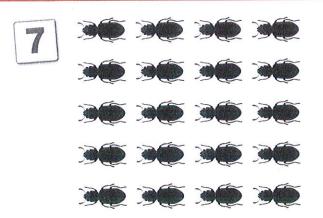


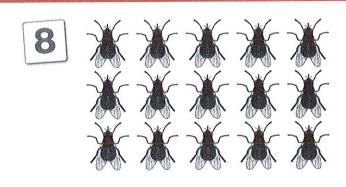


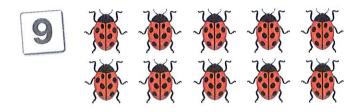


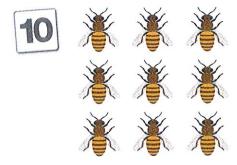


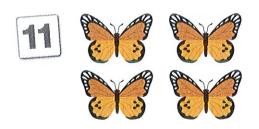


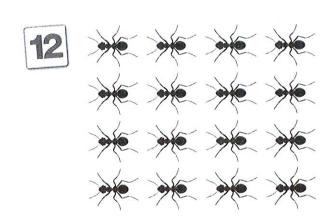












A B C D E F
$$2+2=4 \quad | 1+1=2 \quad | 4+4=8 \quad | 5 \quad | 3+3+3 \\ = 9 \quad | 4+4 \\ + 4+4 \\ + 4=20$$

$$5+5=10 \quad | 5+5+5 \\ + 5+5 \\ = 25 \quad | 15 \quad | 15$$

Model and Array

Use counters to make a group. Find the sum.

$$2 0+0+0+0+0=$$



A	В	C	D	_ =	F
4	15	10	12	25	20
5	6	0	8	16	9
G	H	I	$\mathbf{J}_{\mathrm{out}}$	K	

Objective: Find the sum of equal addends in an array.

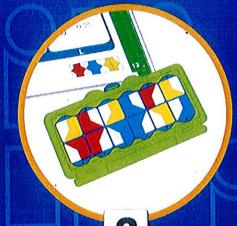


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