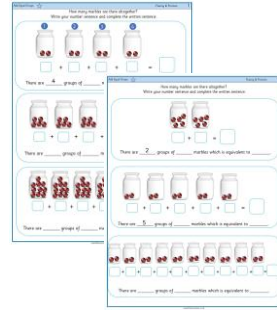


## ★ Add Equal Groups

Children use equal groups to find a total. They focus on counting equal groups of 2, 5 and 10 and explore this within 50. They could begin by linking this to real life, for example animal legs, wheels, flowers in vases, etc. Stem sentences alongside number sentences can help them link the calculation with the situation. Ensure they have the opportunity to say their sentences aloud.

On this sheet, they are given an example to help them complete the sheet.

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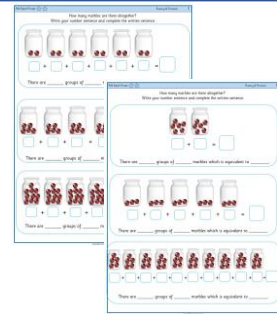


## ★★ Add Equal Groups

Children use equal groups to find a total. They focus on counting equal groups of 2, 5 and 10 and explore this within 50. Children could begin by linking this to real life, for example animal legs, wheels, flowers in vases etc. Stem sentences alongside number sentences can help children link the calculation with the situation. Ensure children have the opportunity to say their sentences aloud.

On this sheet, they complete the number sentences and move on to counting groups of 3.

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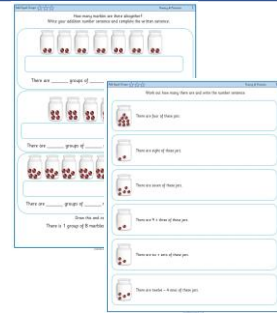


## ★★★ Add Equal Groups

On this sheet, children complete number sentences independently without the given boxes. They can then move on to drawing a group.

They can complete another challenge where they do not have images of each jar, but a number sentence to work out how many jars there are.

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## Reasoning and Problem Solving

### Add Equal Groups

Children continue to develop their understanding of adding equal groups by solving reasoning tasks.

Add Equal Groups
Reasoning & Problem Solving

Which group is the odd one out?  
Find more than one answer and prove it.

Group 1:

Group 2:

Group 3:

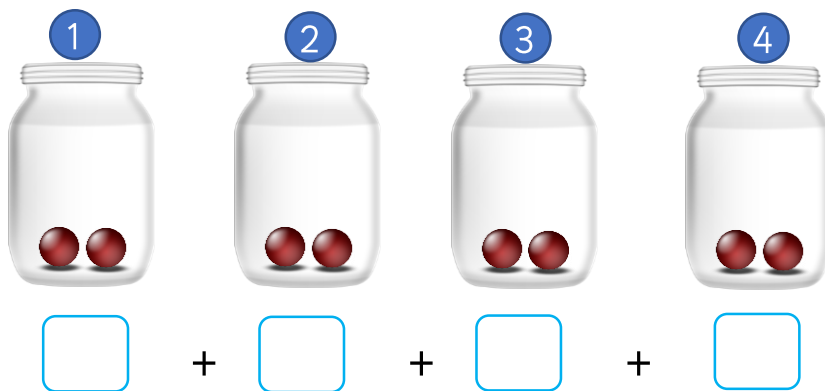
Leanna loves marbles.  
Which jar should she choose?  
Draw a picture to help you answer the question.

Zach: I will give her 4 jars of 5 marbles.

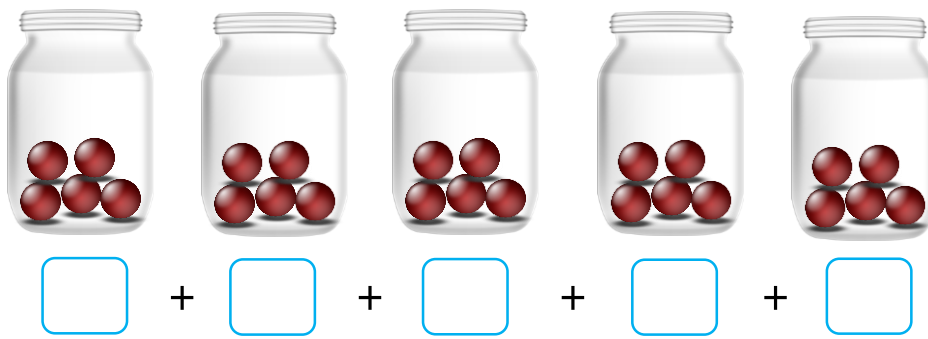
Rosie: I will give her 8 jars of 2 marbles.



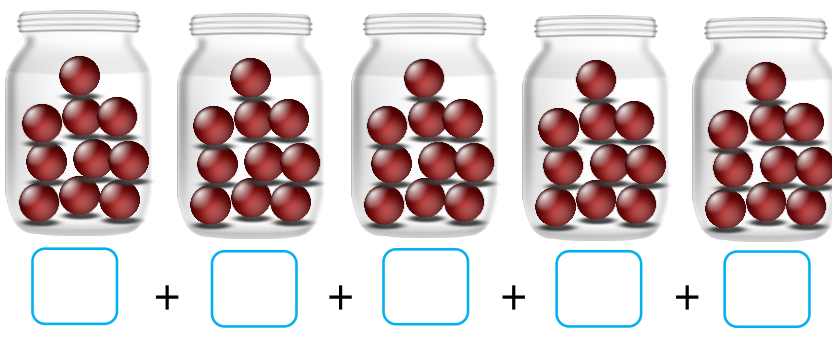
How many marbles are there altogether?  
Write your number sentence and complete the written sentence.



There are 4 groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.



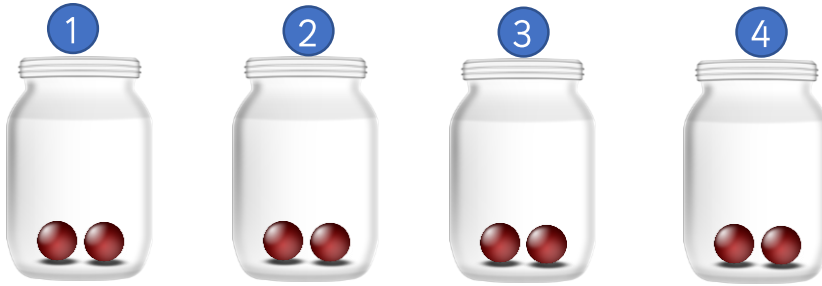
There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.



There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.

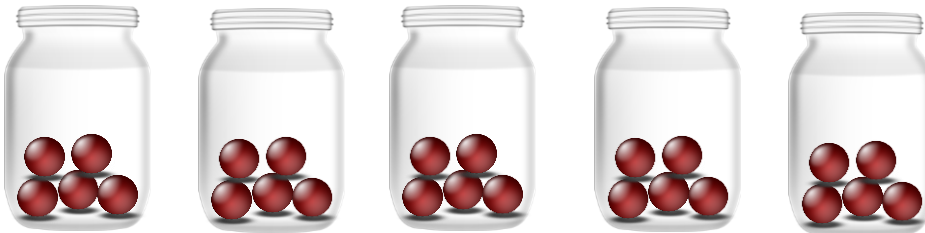


How many marbles are there altogether?  
Write your number sentence and complete the written sentence.



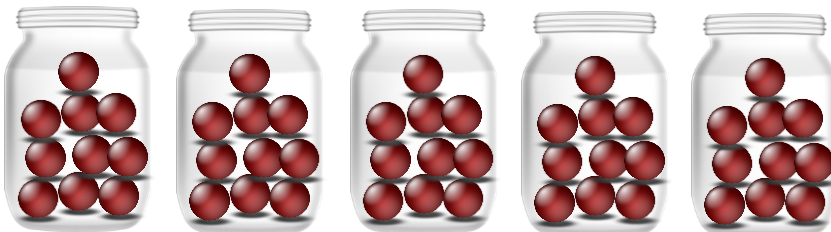
$$\boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} = \boxed{8}$$

There are 4 groups of 2 marbles, which is equivalent to 8.



$$\boxed{5} + \boxed{5} + \boxed{5} + \boxed{5} + \boxed{5} = \boxed{25}$$

There are 5 groups of 5 marbles, which is equivalent to 25.

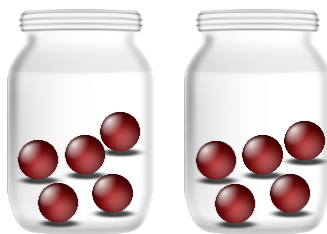


$$\boxed{10} + \boxed{10} + \boxed{10} + \boxed{10} + \boxed{10} = \boxed{50}$$

There are 5 groups of 10 marbles, which is equivalent to 50.



How many marbles are there altogether?  
Write your number sentence and complete the written sentence.



$$\square + \square = \square$$

There are 2 groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.



$$\square + \square + \square + \square + \square = \square$$

There are 5 groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.

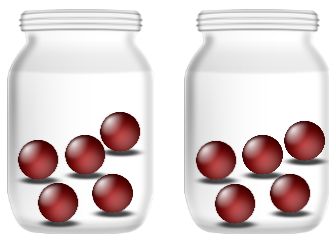


$$\square + \square + \square + \square + \square + \square + \square + \square + \square + \square = \square$$

There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.



How many marbles are there altogether?  
Write your number sentence and complete the written sentence.



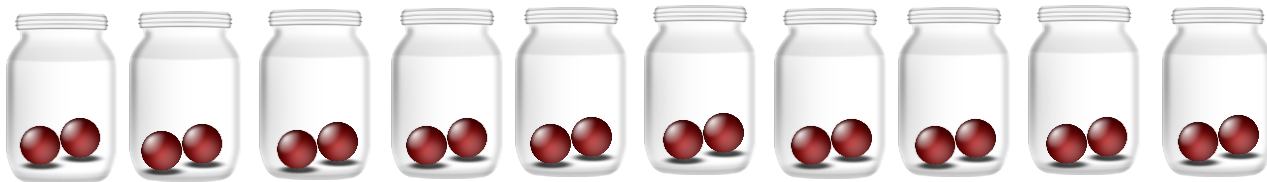
$$5 + 5 = 10$$

There are 2 groups of 5 marbles, which is equivalent to 10.



$$2 + 2 + 2 + 2 + 2 = 10$$

There are 5 groups of 2 marbles, which is equivalent to 10.



$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$$

There are 10 groups of 2 marbles, which is equivalent to 20.

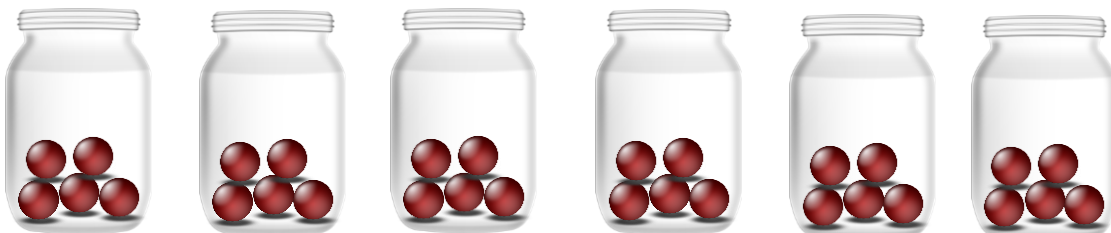


How many marbles are there altogether?  
Write your number sentence and complete the written sentence.



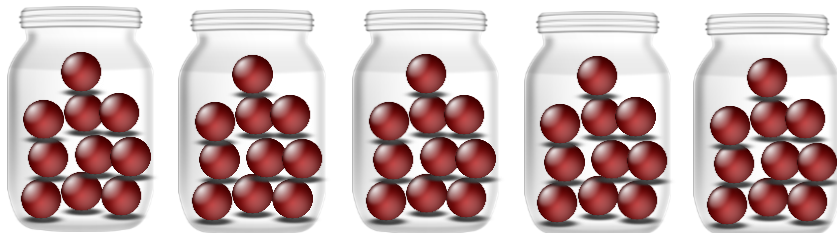
$$\square + \square + \square + \square + \square + \square = \square$$

There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.



$$\square + \square + \square + \square + \square + \square = \square$$

There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.



$$\square + \square + \square + \square + \square = \square$$

There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.

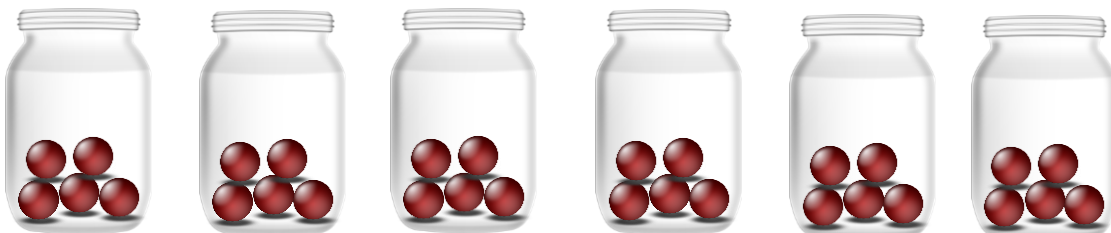


How many marbles are there altogether?  
Write your number sentence and complete the written sentence.



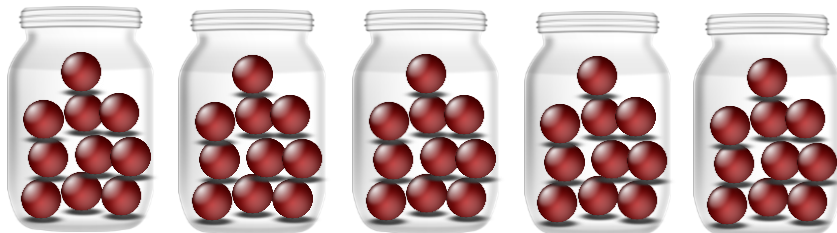
$$2 + 2 + 2 + 2 + 2 + 2 = 12$$

There are 6 groups of 2 marbles, which is equivalent to 12.



$$5 + 5 + 5 + 5 + 5 + 5 = 30$$

There are 6 groups of 5 marbles, which is equivalent to 30.

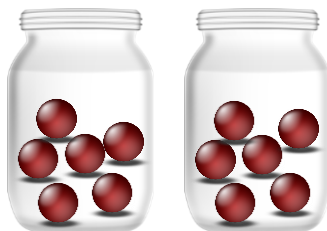


$$10 + 10 + 10 + 10 + 10 = 50$$

There are 5 groups of 10 marbles, which is equivalent to 50.

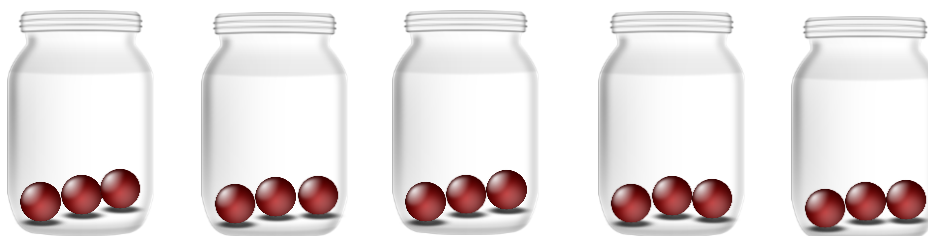


How many marbles are there altogether?  
Write your number sentence and complete the written sentence.



$$\square + \square = \square$$

There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.



$$\square + \square + \square + \square + \square = \square$$

There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.

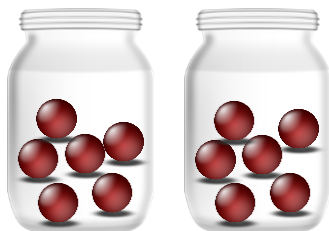


$$\square + \square + \square + \square + \square + \square + \square + \square + \square + \square = \square$$

There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.

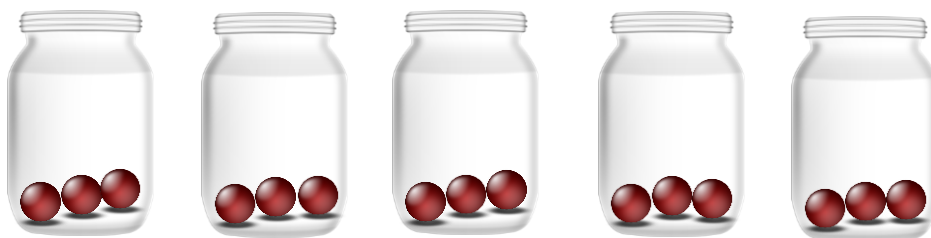


How many marbles are there altogether?  
Write your number sentence and complete the written sentence.



$$6 + 6 = 12$$

There are 2 groups of 6 marbles, which is equivalent to 12.



$$3 + 3 + 3 + 3 + 3 = 15$$

There are 5 groups of 3 marbles, which is equivalent to 15.



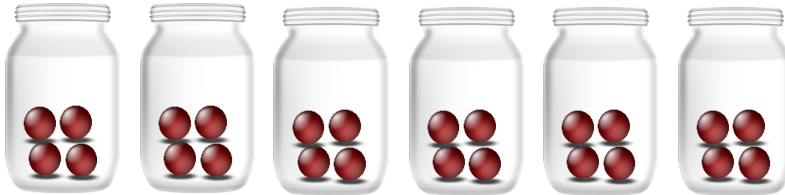
$$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 50$$

There are 10 groups of 5 marbles, which is equivalent to 50.

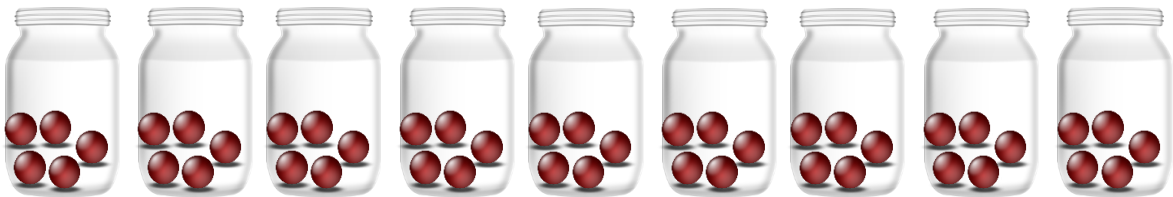
How many marbles are there altogether?  
Write your addition number sentence and complete the written sentence.



There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.



There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.



There are \_\_\_\_\_ groups of \_\_\_\_\_ marbles, which is equivalent to \_\_\_\_\_.

Draw this and complete the sentence:

There is 1 group of 8 marbles, which is equivalent to \_\_\_\_\_.



How many marbles are there altogether?  
Write your addition number sentence and complete the written sentence.



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$$

There are 7 groups of 2 marbles, which is equivalent to 14.



$$4 + 4 + 4 + 4 + 4 + 4 = 24$$

There are 6 groups of 4 marbles, which is equivalent to 24.

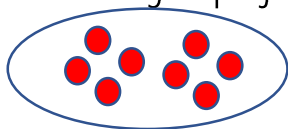


$$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 45$$

There are 9 groups of 5 marbles, which is equivalent to 45.

Draw this and complete the sentence:

There is 1 group of 8 marbles, which is equivalent to 8.



Work out how many there are and write the number sentence.



There are four of these jars.



There are eight of these jars.



There are seven of these jars.



There are  $9 + 3$  of these jars.



There are  $6 + 0$  of these jars.



There are  $12 - 4$  ones of these jars.



Work out how many there are and write the number sentence.



There are four of these jars.

$$10 + 10 + 10 + 10 = 40$$



There are eight of these jars.

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$$



There are seven of these jars.

$$5 + 5 + 5 + 5 + 5 + 5 + 5 = 35$$



There are 9 + three of these jars.

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 24$$



There are six + zero of these jars.

$$3 + 3 + 3 + 3 + 3 + 3 = 18$$



There are twelve – 4 ones of these jars.

$$4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = 32$$

Which group is the odd one out?

Find more than one answer and prove it.



Group 1



Group 2



Group 3



Leanna loves marbles.

Which jar should she choose?

Draw a picture to help you answer the question.

I will give her 4 jars of 5 marbles.

I will give her 8 jars of 2 marbles.



Zach



Rosie

Which group is the odd one out?

Find more than one answer and prove it.



Group 1



Group 2



Group 3



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I will give her 8 jars of 2 marbles.



Zach



Rosie

Which group is the odd one out?

Find more than one answer and prove it.



Group 1



Group 2



Group 3

Possible answers:  
Group 3 as they total 20 and the other jars total 10.  
Group 2 as there are 5 jars and the other groups have 2.

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Leanna loves marbles.

Which jar should she choose?

Draw a picture to help you answer the question.

I will give her 4 jars of 5 marbles.

I will give her 8 jars of 2 marbles.



Zach

She should pick Zach's because she will have more marbles.



Rosie

Which group is the odd one out?

Find more than one answer and prove it.



Group 1



Group 2



Group 3

Possible answers:  
Group 3 as they total 20 and the other jars total 10.  
Group 2 as there are 5 jars and the other groups have 2.

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