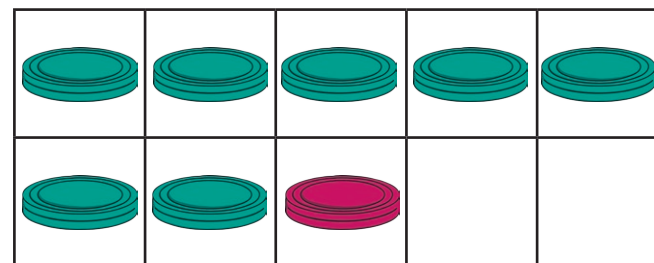


Addition and Subtraction Challenge Cards



Addition and Subtraction Challenge Cards

How many different ways can you find to make **8** with 2 numbers?



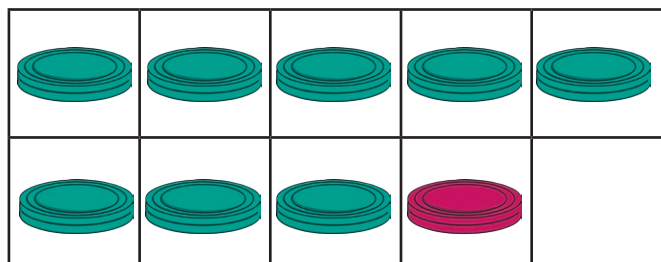
$$7 + 1 = 8$$

Use a ten frame to help you.

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Addition and Subtraction Challenge Cards Answers

How many different ways can you find to make **9** with 2 numbers?

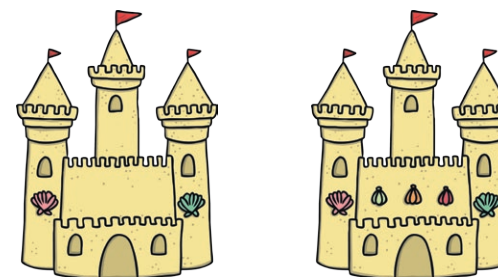


$$8 + 1 = 9$$

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Addition and Subtraction Challenge Cards

Jasmine has 7 shells. How many different ways can she share them between her 2 sandcastles?



Can you write a number sentence to match the way you share the shells?

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Addition and Subtraction Challenge Cards



Zack has 20p. He buys one of the cakes.

How much change would Zack get if he buys one cake? Can you find all the different possibilities?

What could he buy for exactly 20p? Can you find all the different possibilities?

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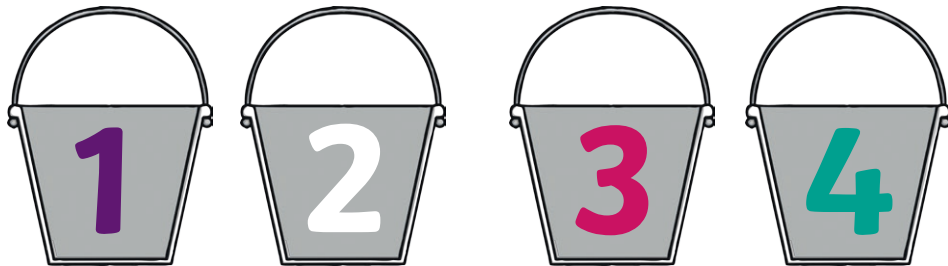
Addition and Subtraction Challenge Cards



Can you make every number from 1 to 10 by choosing 2 numbers and adding or subtracting them? You can use each number twice in one calculation if you need to.

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Addition and Subtraction Challenge Cards

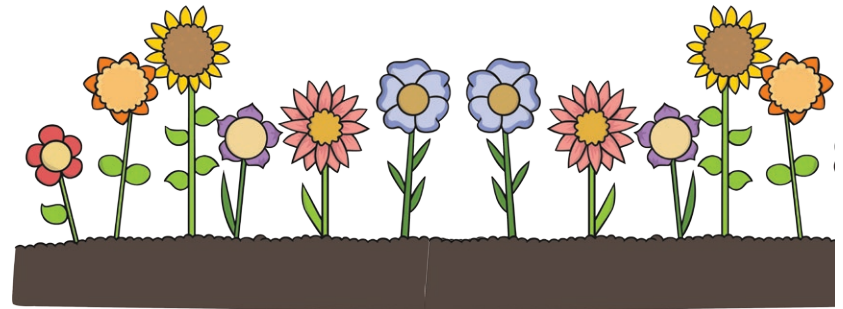


Harvey throws 2 beanbags. Each one lands in a bucket. What might his score be?

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Addition and Subtraction Challenge Cards

Three children pick 11 flowers. They each pick an odd number of flowers. How many might they pick each?



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Addition and Subtraction Challenge Cards

Can you solve this using numbers less than 20?
What do you notice?


$$\triangle - \square = 10$$

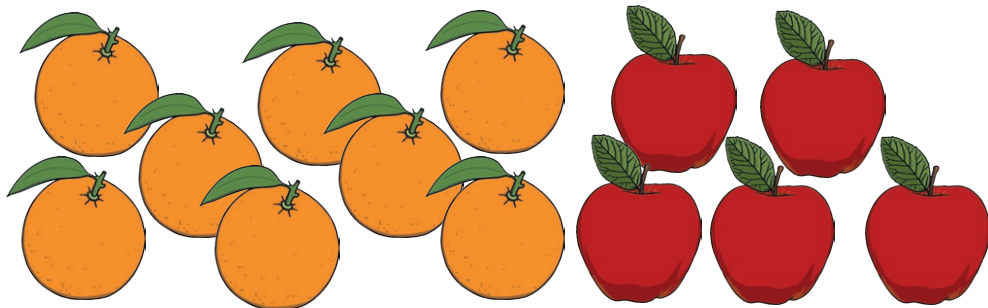
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Addition and Subtraction Challenge Cards

$$12 = \square + \triangle$$

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Addition and Subtraction Challenge Cards

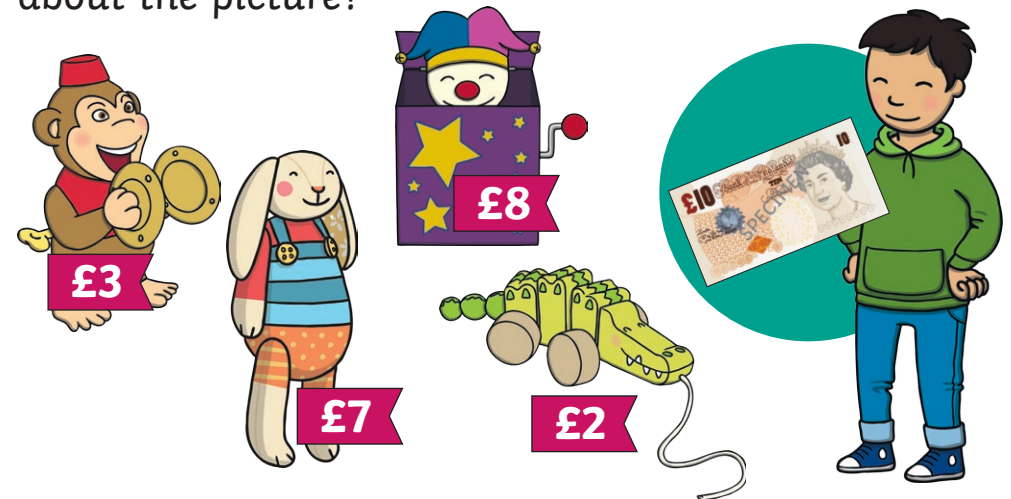


How many pieces of fruit are there altogether?
Can you write a number sentence for this?
Can you draw your own picture and ask your friend to write a number sentence about it?

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Addition and Subtraction Challenge Cards

Can you tell an addition or subtraction story about the picture?



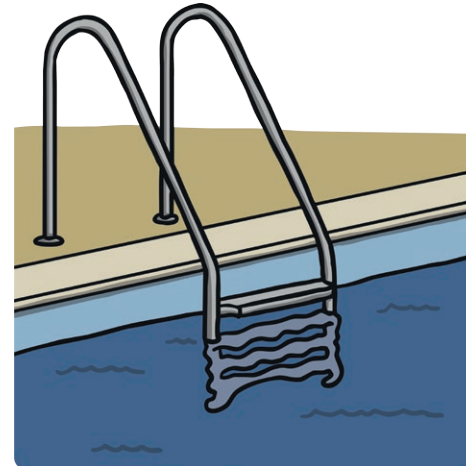
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Addition and Subtraction Challenge Cards

If I add 2 numbers that are less than 10, the answer will always be less than 20. Convince me.



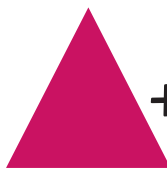

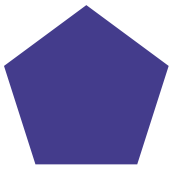
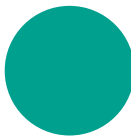
Addition and Subtraction Challenge Cards



Sally and Jim swim some lengths. Sally swims 4 more than Jim. If one of them swims 16 lengths, how many does the other one swim?

Addition and Subtraction Challenge Cards

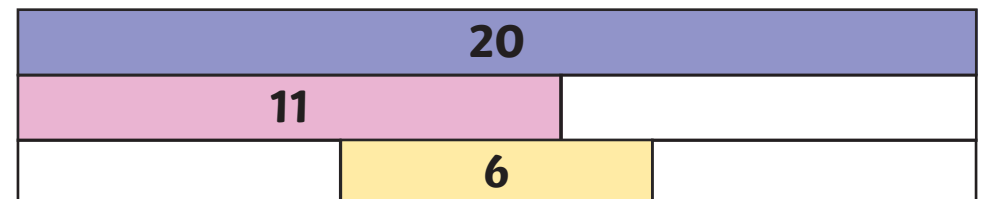
Use 4 different numbers to complete the sentence.

 +  = 14 =  - 

Addition and Subtraction Challenge Cards

Make each number by adding the 2 numbers below it.

Can you make up a similar puzzle?



How many ways can you find to solve this?

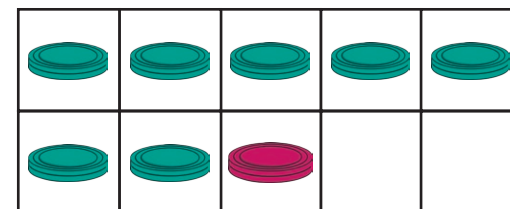
 $+$  $=$ 10

Addition and Subtraction Challenge Cards Answers



Addition and Subtraction Challenge Cards Answers

How many different ways can you find to make **8** with 2 numbers?



$$7 + 1 = 8$$

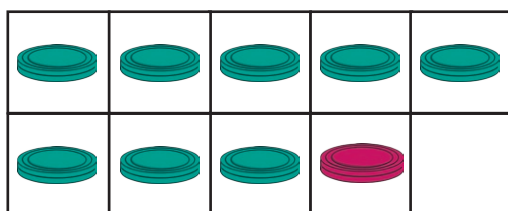
Use a ten frame to help you.

0 + 8, 7 + 1, 6 + 2, 5 + 3, 4 + 4, 9 - 1, 10 - 2
There are many more subtractions.

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Addition and Subtraction Challenge Cards Answers

How many different ways can you find to make **9** with 2 numbers?



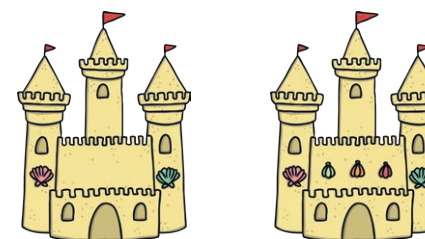
$$8 + 1 = 9$$

0 + 9, 8 + 1, 7 + 2, 6 + 3, 5 + 4, 10 - 1, 11 - 2
There are many more subtractions.

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Addition and Subtraction Challenge Cards Answers

Jasmine has 7 shells. How many different ways can she share them between her 2 sandcastles?



Can you write a number sentence to match the way you share the shells?

0 and 7, 1 and 6, 2 and 5, 3 and 4.

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Addition and Subtraction Challenge Cards Answers



Zack has 20p. He buys one of the cakes.
How much change would Zack get if he buys one cake? Can you find all the different possibilities?

3p, 8p, 12p, 14p, or 16p

What could he buy for exactly 20p? Can you find all the different possibilities? **8p + 12p,**

6p + 6p + 8p, 8p + 8p + 4p, 4p + 4p + 4p + 4p + 4p

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Addition and Subtraction Challenge Cards Answers

7 4 3 2

Can you make every number from 1 to 10 by choosing 2 numbers and adding or subtracting them? You can use each number twice in one calculation if you need to.

Yes

$$3 - 2 = 1$$

$$4 - 2 = 2$$

$$7 - 4 = 3$$

$$2 + 2 = 4$$

$$3 + 2 = 5$$

$$4 + 2 = 6$$

$$4 + 3 = 7$$

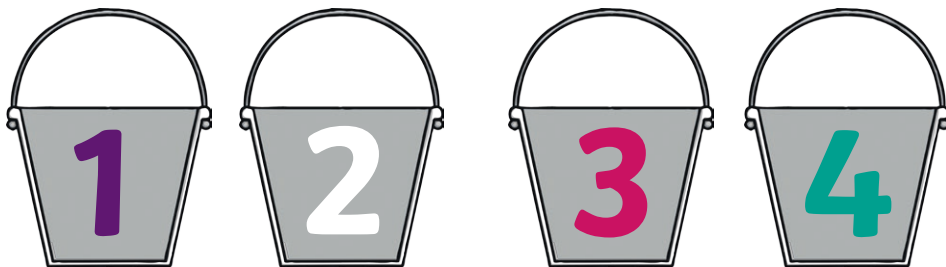
$$4 + 4 = 8$$

$$7 + 2 = 9$$

$$7 + 3 = 10$$

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Addition and Subtraction Challenge Cards Answers



Harvey throws 2 beanbags. Each one lands in a bucket. What might his score be?

1 + 2 = 3, 1 + 3 = 4, 1 + 4 = 5, 2 + 2 = 4, 2 + 3 = 5, 2 + 4 = 6, 3 + 3 = 6, 3 + 4 = 7, 4 + 4 = 8

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Addition and Subtraction Challenge Cards Answers

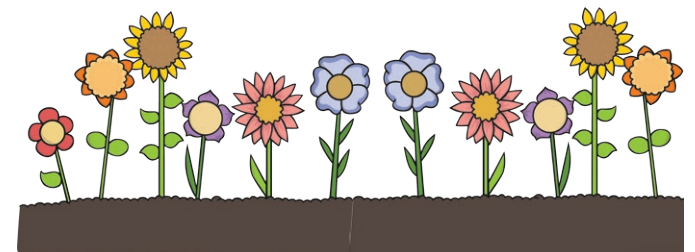
Three children pick 11 flowers. They each pick an odd number of flowers. How many might they pick each?

$$1 + 1 + 9$$

$$1 + 3 + 7$$

$$1 + 5 + 5$$

$$3 + 3 + 5$$



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Addition and Subtraction Challenge Cards Answers

Can you solve this using numbers less than 20?
What do you notice?


$$\triangle - \square = 10$$

$19 - 9, 18 - 8, 17 - 7, 16 - 6, 15 - 5, 14 - 4, 13 - 3,$
 $12 - 2, 11 - 1, 10 = 0$

The digit in the ones place is being subtracted each time.

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Addition and Subtraction Challenge Cards Answers

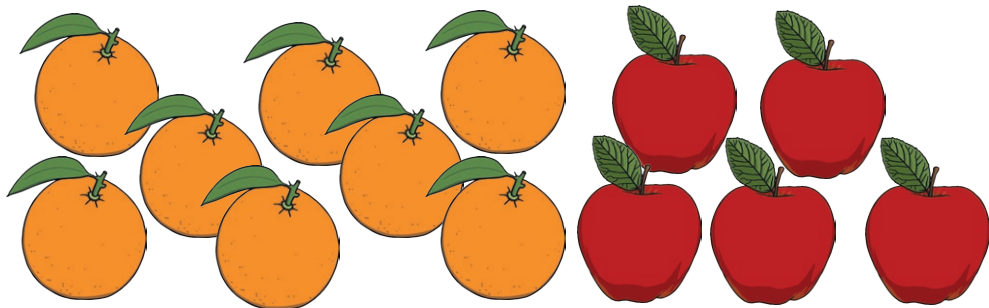
$$12 = \square + \triangle$$

Can you find different ways to solve this?

$12 + 0, 11 + 1, 10 + 2, 9 + 3, 8 + 4, 7 + 5,$

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Addition and Subtraction Challenge Cards Answers

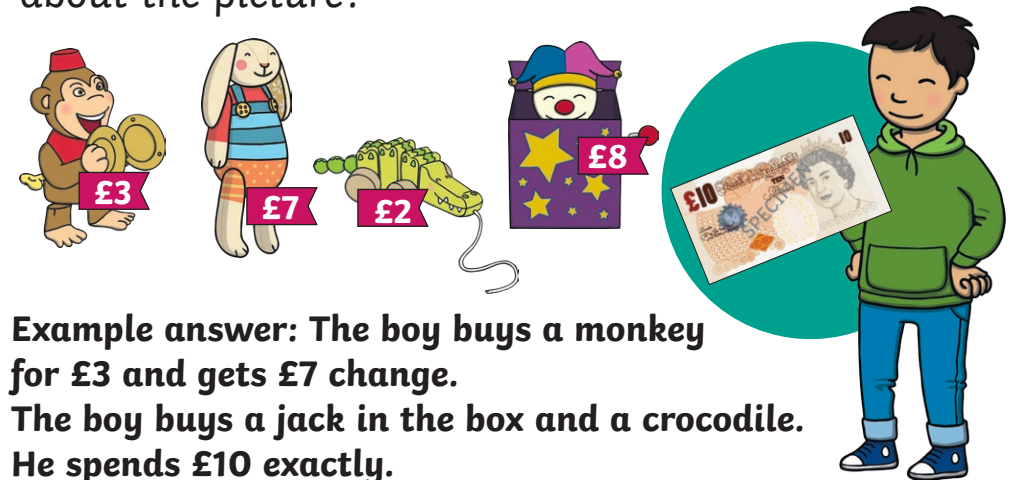


How many pieces of fruit are there altogether? $8 + 5 = 13$
Can you write a number sentence for this?
Can you draw your own picture and ask your friend to write a number sentence about it?

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Addition and Subtraction Challenge Cards Answers

Can you tell an addition or subtraction story about the picture?



Example answer: The boy buys a monkey for £3 and gets £7 change. The boy buys a jack in the box and a crocodile. He spends £10 exactly.

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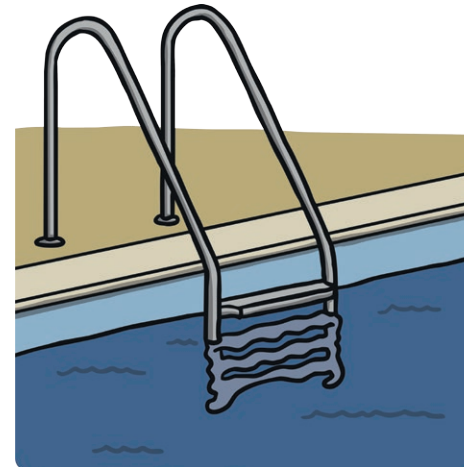
Addition and Subtraction Challenge Cards Answers

If I add 2 numbers that are less than 10, the answer will always be less than 20. Convince me.

The highest numbers I can use is a 9 and a 9, which makes 18. Two tens make 20, so 2 numbers less than 10 can never be higher than 20.



Addition and Subtraction Challenge Cards Answers



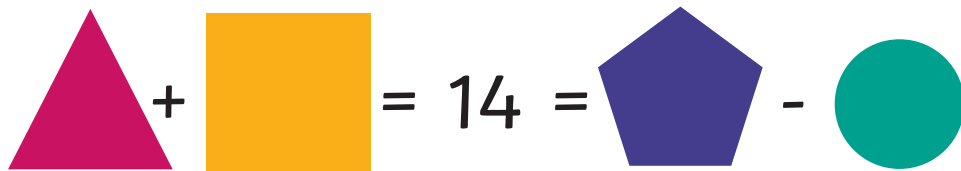
Sally and Jim swim some lengths. Sally swims 4 more than Jim. If one of them swims 16 lengths, how many does the other one swim?

If Sally swims 16, Jim swims 12.

If Sally swims 20, Jim swims 16.

Addition and Subtraction Challenge Cards Answers

Use 4 different numbers to complete the sentence.



$$1 + 13 = 14 = 16 - 2 \quad 2 + 12 = 14 = 14 - 0$$

$$3 + 11 = 14 = 18 - 4$$

There are many other ways to solve this.

Addition and Subtraction Challenge Cards Answers

Make each number by adding the 2 numbers below it.

Can you make up a similar puzzle?

20		
11	9	
5	6	3

How many ways can you find to solve this?

 $+$  $= 10$

**$0 + 10 = 10$, $1 + 9 = 10$, $2 + 8 = 10$, $3 + 7 = 10$,
 $4 + 6 = 10$**