

# Missing Number Problems

## Maths Strategies:

Start with the smallest number in the number sentence. Count on to reach the other given number, to find the missing number. You might want to draw a number line to help you with this.

or

Start with the biggest number in the number sentence. Count back to reach the other given number, to find the missing number. You might want to draw a number line to help you with this.



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Which strategy works best for you?

### Handy Tip!

Once you have found the missing number, check that it makes sense by putting it into the original number sentence.

1.  $7 + \square = 10$

7.  $4 + \square = 10$

2.  $5 + \square = 10$

8.  $1 + \square = 10$

3.  $8 + \square = 10$

9.  $\square + 0 = 10$

4.  $6 + \square = 10$

10.  $3 + \square = 10$

5.  $\square + 1 = 10$

11.  $10 + \square = 10$

6.  $\square + 8 = 10$

### Maths Challenge:

Now write some of your own number sentences that have a missing number.

# Missing Number Problems **Answers**

1.  $7 + 3 = 10$

2.  $5 + 5 = 10$

3.  $8 + 2 = 10$

4.  $6 + 4 = 10$

5.  $9 + 1 = 10$

6.  $2 + 8 = 10$



7.  $4 + 6 = 10$

8.  $1 + 9 = 10$

9.  $10 + 0 = 10$

10.  $3 + 7 = 10$

11.  $10 + 0 = 10$

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# Missing Number Problems **Answers**

1.  $7 + 3 = 10$

2.  $5 + 5 = 10$

3.  $8 + 2 = 10$

4.  $6 + 4 = 10$

5.  $9 + 1 = 10$

6.  $2 + 8 = 10$

7.  $4 + 6 = 10$

8.  $1 + 9 = 10$

9.  $10 + 0 = 10$

10.  $3 + 7 = 10$

11.  $10 + 0 = 10$

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# Missing Number Problems

Think carefully about what strategy you will use to find the missing number in the following calculations. You could:

Use a number line and count on from the smallest number.

Use a number line and count back to the given number.

Use column addition or subtraction to find the missing number.



$$1. \quad 16 + \boxed{\phantom{00}} = 27$$

$$8. \quad \boxed{\phantom{00}} + 9 + 11 = 35$$

$$2. \quad 38 - \boxed{\phantom{00}} = 26$$

$$9. \quad \boxed{\phantom{00}} + 23 = 101$$

$$3. \quad \boxed{\phantom{00}} - 18 = 36$$

$$10. \quad 153 - \boxed{\phantom{00}} = 104$$

$$4. \quad \boxed{\phantom{00}} + 17 = 66$$

$$11. \quad 160 = 105 + \boxed{\phantom{00}}$$

$$5. \quad 38 + \boxed{\phantom{00}} = 73$$

$$12. \quad 143 = \boxed{\phantom{00}} + 62$$

$$6. \quad 87 - \boxed{\phantom{00}} = 53$$

$$13. \quad 37 - 7 - \boxed{\phantom{00}} = 17$$

$$7. \quad 6 + \boxed{\phantom{00}} + 8 = 24$$

$$14. \quad \boxed{\phantom{00}} - 12 - 8 = 25$$

## Challenge:

Can you write your own missing number problems and give them to a friend?

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# Missing Number Problems Answers

1.  $16 + 11 = 27$

2.  $38 - 12 = 26$

3.  $54 - 18 = 36$

4.  $49 + 17 = 66$

5.  $38 + 35 = 73$

6.  $87 - 34 = 53$

7.  $6 + 10 + 8 = 24$



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8.  $15 + 9 + 11 = 35$

9.  $78 + 23 = 101$

10.  $153 - 49 = 104$

11.  $160 = 105 + 55$

12.  $143 = 81 + 62$

13.  $37 - 7 - 13 = 17$

14.  $45 - 12 - 8 = 25$

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# Missing Number Problems Answers

1.  $16 + 11 = 27$

2.  $38 - 12 = 26$

3.  $54 - 18 = 36$

4.  $49 + 17 = 66$

5.  $38 + 35 = 73$

6.  $87 - 34 = 53$

7.  $6 + 10 + 8 = 24$

8.  $15 + 9 + 11 = 35$

9.  $78 + 23 = 101$

10.  $153 - 49 = 104$

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Think carefully about what strategy you will use to find the missing number in the following calculations. You could:

Use a number line and count on from the smallest number.

Use a number line and count back to the given number.

Use column addition or subtraction to find the missing number.



$$1. \quad 164 + \square = 262$$

$$8. \quad 753 - \square = 325$$

$$2. \quad 265 - \square = 191$$

$$9. \quad 567 = \square + 279$$

$$3. \quad 362 - \square = 217$$

$$10. \quad 952 = 475 + \square$$

$$4. \quad \square + 53 = 305$$

$$11. \quad 112 + \square + 120 = 280$$

$$5. \quad 224 + \square = 377$$

$$12. \quad 65 + 114 + \square = 257$$

$$6. \quad \square - 211 = 351$$

$$13. \quad 236 - \square - 75 = 107$$

$$7. \quad \square + 239 = 675$$

$$14. \quad \square - 215 - 103 = 145$$

## Challenge:

Can you write your own missing number problems and give them to a friend?

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# Missing Number Problems Answers

1.  $164 + 98 = 262$

2.  $265 - 74 = 191$

3.  $362 - 145 = 217$

4.  $252 + 53 = 305$

5.  $224 + 153 = 377$

6.  $562 - 211 = 351$

7.  $436 + 239 = 675$



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8.  $753 - 428 = 325$

9.  $567 = 288 + 279$

10.  $952 = 475 + 477$

11.  $112 + 48 + 120 = 280$

12.  $65 + 114 + 78 = 257$

13.  $236 - 54 - 75 = 107$

14.  $463 - 215 - 103 = 145$

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# Missing Number Problems Answers

1.  $164 + 98 = 262$

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