Example    Ross saved $4 one week and $11 the next.
How much had he saved in two weeks?
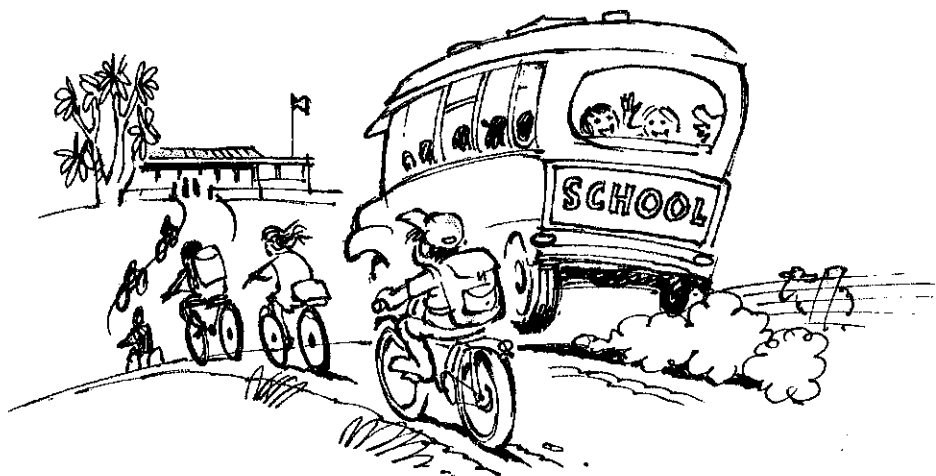
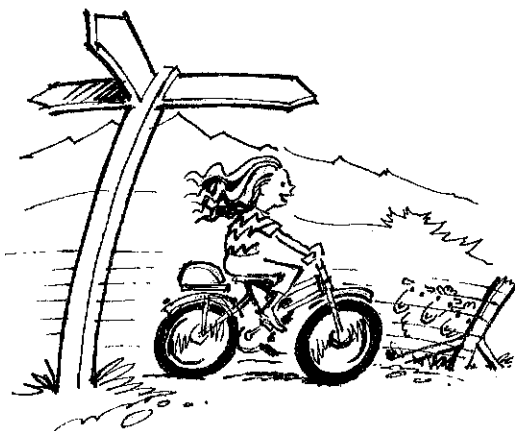**Answer**    4 + 11 = 15.
Ross had saved $15.

# Activity 10

A Claire was on her way to school.

1. She counted 12 people on the bus.
5 more got on.
How many were on the bus then?

2. She counted 13 people on bikes.
6 more joined them.
How many were on bikes then?

3. She counted 11 people at the school gate.
7 more came.
How many were at the school gate then?

B 1. Claire needed $5 for a trip.
She needed $12 for books.
How much did she need altogether?

2. Jake needed $3 for lunch.
He needed $15 for books.
How much did he need altogether?

3. Jenni needed $7 for a school hat.
She needed $12 for a shirt.
How much did she need altogether?

C 1. Claire biked 8 km one day.
She biked 9 km the next day.
How far did she bike altogether?

2. Jake biked 9 km one day.
He biked 7 km the next day.
How far did he bike altogether?

3 Jenni biked 11 km one day.
She biked 9 km the next day.
How far did she bike altogether?

D Claire wrote this about her family.

John is 7 years older than Julie. Julie is 12.
Sarah is 5 years older than Nick. Nick is 13.
Kim is 9 years older than Jake. Jake is 11.

1. How old is John?
2. How old is Sarah?
3. How old is Kim?

E $10 + 6 = 16$
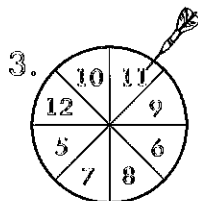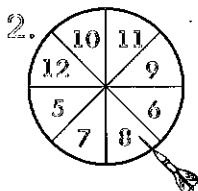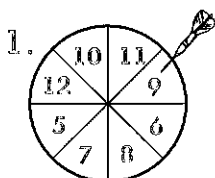
Make up a number story for this.

# Activity 8

A 1. Kim picked 17 pears.
She threw 4 away.
How many did she have then?

2. Jon picked 15 pears.
He threw 9 away.
How many did he have then?

3. Mary picked 18 pears.
She threw 12 away.
How many did she have then?

B 1. Jody had 16 lambs.
7 were boys.
How many were girls?

2. Jody had 17 foals.
11 were boys.
How many were girls?

3. Jody had 20 calves.
11 were boys.
How many were girls?

C 1. $11 - 3 = 8$
Make up a number story for this.

2. $15 - 7 = 8$
Make up a number story for this.

## Check up

Jim played a game with darts.
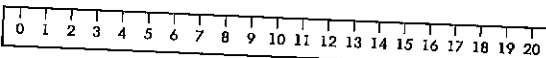He threw a dart and subtracted the number from 20.
What did he get in these games?

1. 

2. 

3. 

# Adding and subtracting

Sometimes we have to add and sometimes we have to subtract.

# Activity 9

**A** Write down the answers to these.

`0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20`

1. $7 + 3 = 10$

2. $11 - 3 =$

3. $12 - 5 =$

4. $7 + 9 =$

5. $16 - 4 =$

6. $8 + 6 =$

7. $12 + 8 =$

8. $20 - 8 =$

9. $13 + 5 =$

10. $19 - 5 =$

11. $12 + 0 =$

12. $13 - 7 =$

13. $15 - 8 =$

14. $16 + 3 =$

15. $14 + 5 =$

16. $13 + 6 =$

17. $17 - 0 =$

18. $18 - 7 =$

19. $\begin{array}{r} 19 \\ - \ 7 \\ \hline \end{array}$

20. $\begin{array}{r} 11 \\ + \ 4 \\ \hline \end{array}$

21. $\begin{array}{r} 16 \\ - \ 9 \\ \hline \end{array}$

**B** What number goes in the box?

1. $14 + \boxed{\phantom{0}} = 19$

2. $18 - \boxed{\phantom{0}} = 12$

3. $14 - \boxed{\phantom{0}} = 5$

4. $11 + \boxed{\phantom{0}} = 19$

5. $16 - \boxed{\phantom{0}} = 4$

6. $7 + \boxed{\phantom{0}} = 16$

7. $17 - \boxed{\phantom{0}} = 9$

8. $20 - \boxed{\phantom{0}} = 11$

9. $9 + \boxed{\phantom{0}} = 20$

10. $\boxed{\phantom{0}} + 5 = 13$

11. $\boxed{\phantom{0}} - 5 = 12$

12. $\boxed{\phantom{0}} + 6 = 17$

13. $\boxed{\phantom{0}} - 4 = 12$

14. $\boxed{\phantom{0}} + 3 = 19$

15. $\boxed{\phantom{0}} - 9 = 7$

16. $\boxed{\phantom{0}} + 14 = 20$

17. $\boxed{\phantom{0}} - 8 = 9$

## ✓ Check up

**A** *When are you most likely to dream about ice-cream?*

Use a copy of the box.

E $9 + 6 = 15$

O $12 - 4 =$

W $12 + 5 =$

A $18 - 5 =$

N $19 - 5 =$

R $20 - 11 =$

Y $11 + 7 =$

H $19 - 13 =$

L $17 - 12 =$

S $11 + 5 =$

$\overline{17} \ \overline{6} \ \overset{E}{\overline{15}} \ \overline{14} \qquad \overline{18} \ \overline{8} \ \overline{7}$

$\underline{\phantom{00}} \quad E \qquad \qquad F \ F$

# Activity 10

**A** Use a copy of this.

Fill in the gaps to make a family of facts.

1.
$$1 + 5 = 6$$
$$5 + \square = \square$$
$$6 - 5 = \square$$
$$6 - \square = 5$$

2.
$$4 + 3 = 7$$
$$3 + \square = 7$$
$$7 - \square = 4$$
$$7 - \square = 3$$

3.
$$6 + 3 = 9$$
$$\square + \square = 9$$
$$9 - \square = \square$$
$$\square - \square = \square$$

4.
$$\square + 5 = 8$$
$$\square + \square = \square$$
$$\square - 5 = \square$$
$$\square - \square = \square$$

5.
$$8 + 2 = 10$$
$$\square + 8 = \square$$
$$10 - \square = 8$$
$$10 - \square = \square$$

6.
$$9 + 3 = 12$$
$$\square + \square = 12$$
$$12 - \square = \square$$
$$\square - 3 = \square$$

7.
$$\square + 8 = 17$$
$$\square + \square = 17$$
$$17 - \square = \square$$
$$17 - \square = \square$$

8.
$$12 + 7 = \square$$
$$\square + \square = \square$$
$$\square - 7 = \square$$
$$\square - \square = \square$$

9.
$$14 + 5 = \square$$
$$\square + \square = \square$$
$$\square - 5 = \square$$
$$\square - \square = \square$$

**B** Make up three of your own family of facts.

## Check Up

Fill in the gaps to make a family of facts.

**A** 1.
$$11 + 4 = 15$$
$$4 + \square = \square$$
$$15 - \square = \square$$
$$15 - \square = \square$$

2.
$$7 + 8 = \square$$
$$8 + \square = \square$$
$$\square - 7 = \square$$
$$\square - 8 = \square$$

3.
$$\square + 3 = 19$$
$$\square + \square = 19$$
$$\square - 3 = \square$$
$$\square - \square = \square$$

4.
$$\square + 5 = 18$$
$$\square + \square = 18$$
$$\square - 5 = \square$$
$$\square - \square = \square$$

5.
$$13 + 6 = \square$$
$$6 + \square = \square$$
$$\square - 13 = \square$$
$$\square - \square = \square$$

# Number stories

Sometimes we have to work out if we ~~add~~ or ~~subtract~~.

**Example** Ross has $12. He lost $5.
How much did he have then?

**Answer** We have to subtract.
12 − 5 = 7.
Ross had $7.

**Example** Ted had 11 points in a game. He got 7 more.
How many points did he have then?

**Answer** We have to add.
11 + 7 = 18.
Ted had 18 points.

## Activity 11

A 1. Tama had 17 grapes.
He ate 6.
How many did he have then?

2. Julie had 9 peaches.
She bought 3 more.
How many did she have then?

3. Mel had 15 oranges.
She ate 11.
How many did she have then?

B 1. Don had 13 points.
He landed on this box.
How many points does he have now?

2. Pip had 11 points.
She landed on this box.
How many points does she have now?

3. Sally had 17 points.
She landed on this box.
How many points does she have now?

*lose 5 points*

*add 8 points*

*lose 9 points*