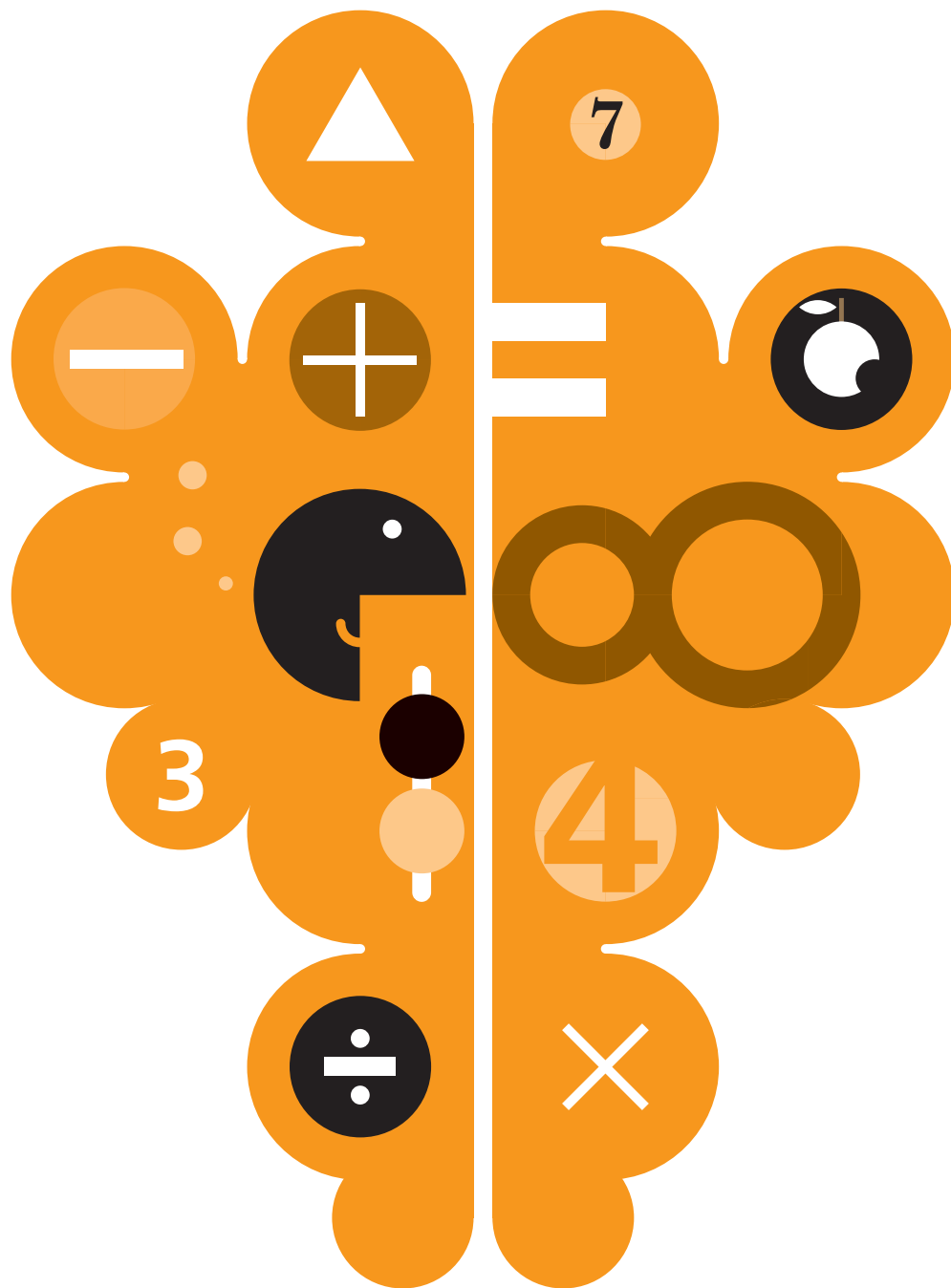


# First Mental Arithmetic 3

## Answers

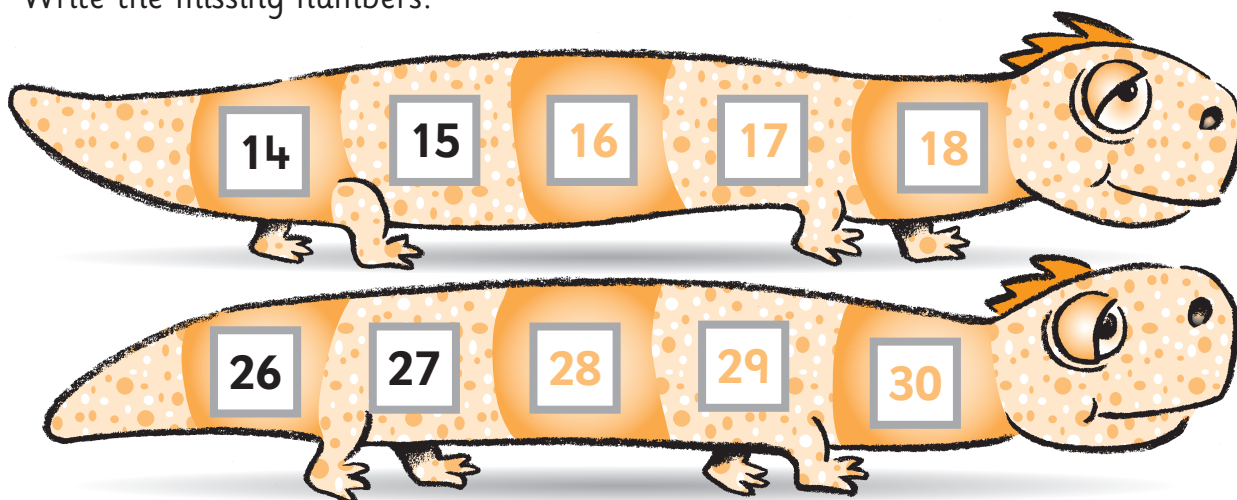
Name \_\_\_\_\_



# Section 1 Session 1

**Session Focus**  
Reading and writing numerals to 100  
Putting numbers onto a number track or line  
Comparing and ordering numbers

**A** 1 Write the missing numbers.



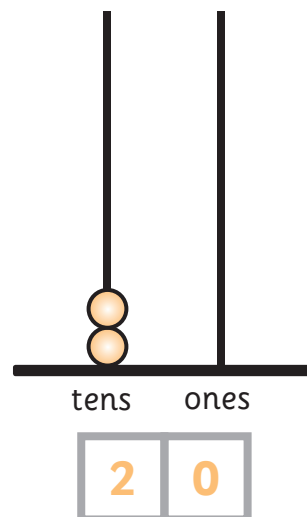
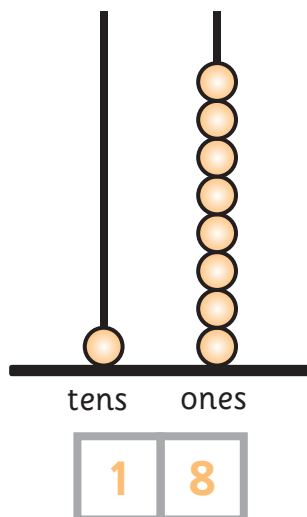
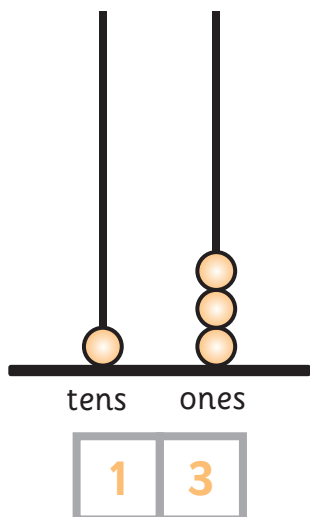
2 Write the missing numbers.



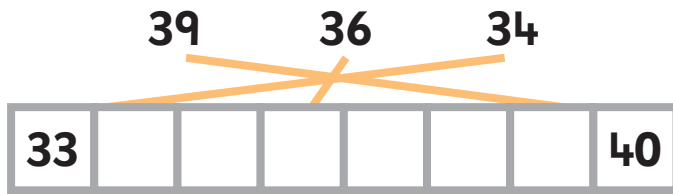
3 Write the missing numbers.



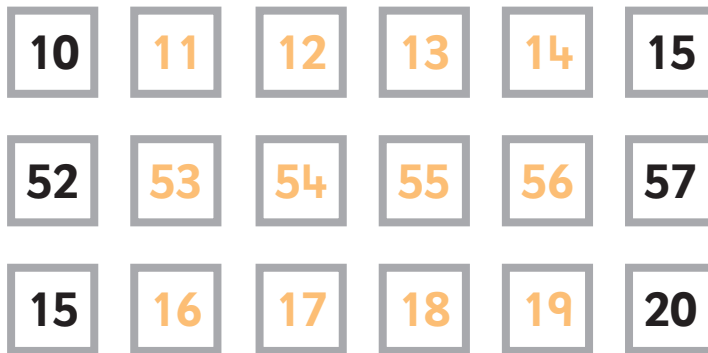
**B** 4 Write how many tens there are. Write how many ones there are.



5 Draw lines to show where the numbers belong.

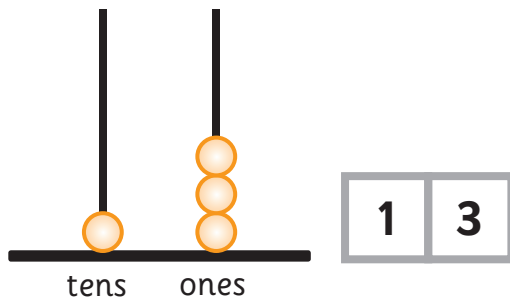


6 Write all the missing numbers.



**C**

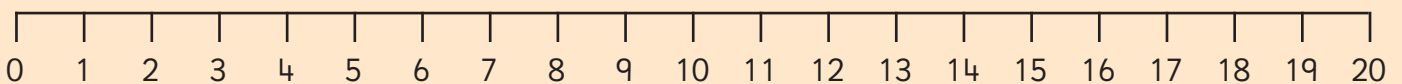
7 Alfie has a bag of 10 toffees and 3 more toffees. Show how many he has on this abacus.



8 Luke is playing a game. He moves his counter from 82 to 87. Draw his counter on this number track.



9 Write what the missing numbers might be.

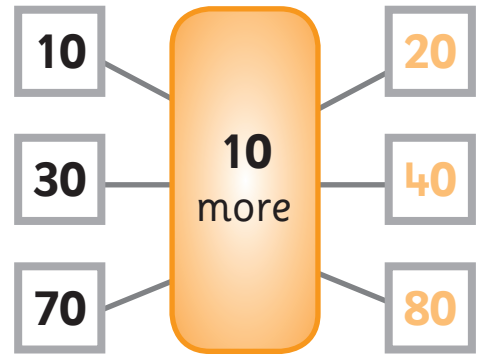
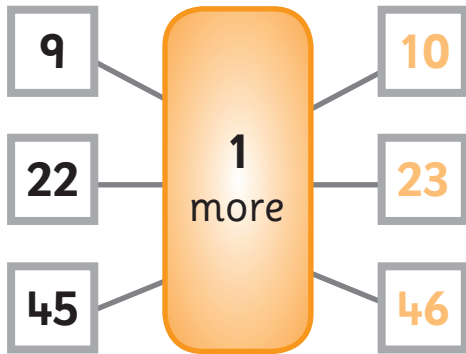


# Section 1 Session 2

**Session Focus**  
Writing 1/10 more/less numbers  
Adding by counting on  
Subtraction as difference

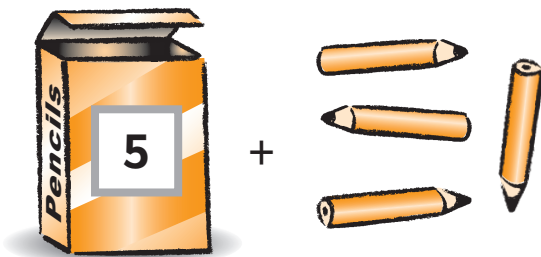
## A

1 Find the missing numbers.



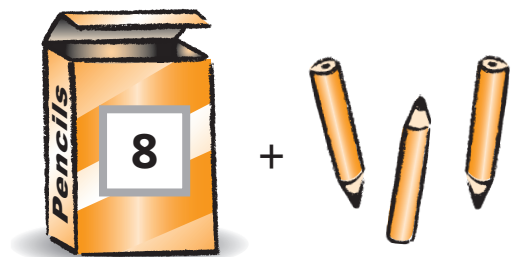
2 Start with the larger number. Count on to add. Write the total.

5 and 4 more



$$5 + 4 = 9$$

8 and 3 more



$$8 + 3 = 11$$

3 Find the difference by counting up from the smaller number.



## B

4 Write the answers.

1 more than 12 is 13

10 more than 40 is 50

1 less than 27 is 26

10 less than 30 is 20



5 Write the answers in words.

Six add five is **eleven**

Nine add four is **thirteen**

Three more than five is **eight**

6 Write the answers.

The difference between **4** and **3** is **1**

The difference between **7** and **5** is **2**

The difference between **10** and **5** is **5**

**C**

7 Write the answer.

Amir has **18** sweets. Jake has **1** sweet fewer than Amir.

How many sweets does Jake have?

**17**

8 Write the answer.

There are **9** birds on the fence. **3** more birds come.

How many birds are there now?

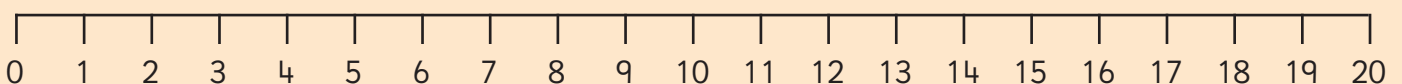
**12**

9 Write the answer.

Freya has **8** grapes. Alice has **5** grapes.

How many more grapes does Freya have than Alice?

**3**



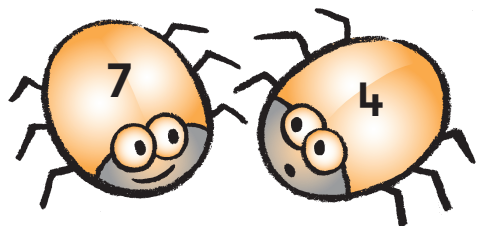
# Section 1 Session 3

## Session Focus

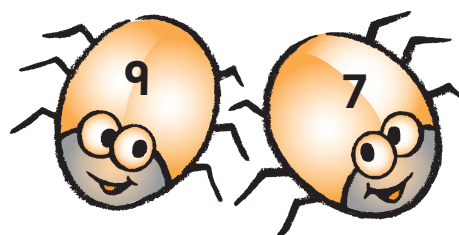
Subtraction as difference  
Subtraction of a one-digit from a two-digit number  
Totals of 10

### A

1 Find the difference.



3



2

2 Write the change.



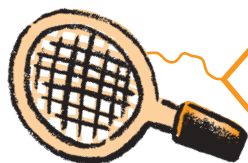
5p

15p



3p

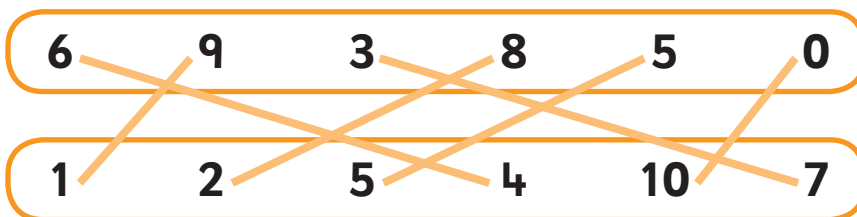
17p



7p

13p

3 Join pairs to make a total of 10.



### B

4 Write the answers.

What is the difference between 6 and 4?

2

What is the difference between 5 and 7?

2

What is the difference between 9 and 4?

5

5 Use a 20p coin each time. Write the answers.

I spend **7p**. What is my change?

**13p**

I spend **9p**. What is my change?

**11p**

I spend **4p**. How much change do I get?

**16p**

6 Write the missing numbers.

**4** and **6** make **10**

**3** and **7** is **10**

**10** minus **1** is **9**

**5** add **5** equals **10**

**C**

7 Write the answer.

Eva has **8p**. Isabel has **3p**.

How much more money has Eva than Isabel?

**5p**

8 Write the answer.

I have **20p**. I buy a comic for **6p**.

How much change do I get?

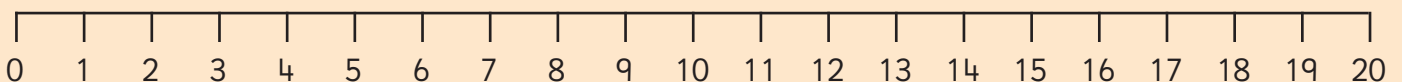
**14p**

9 Write the answer.

Tom has **4p**. Paulo has **6p**.

How much money do they have in total?

**10p**

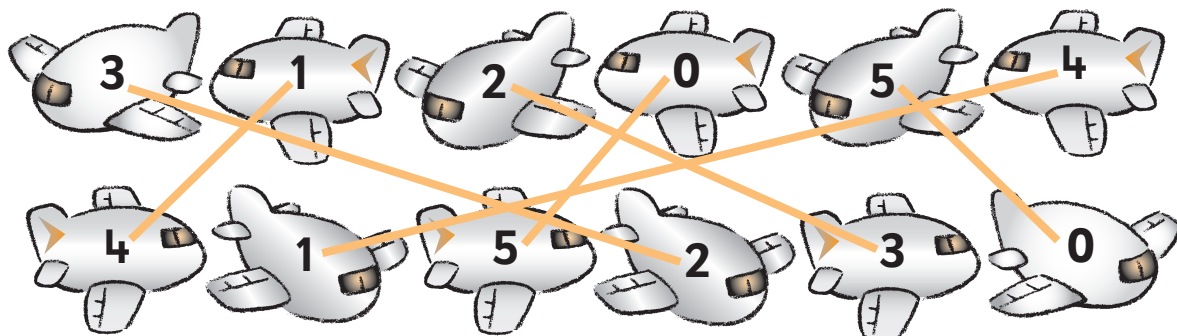


# Section 1 Session 4

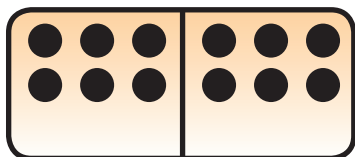
**Session Focus**  
Addition and subtraction to 5  
Doubles of all numbers to 10  
Subtraction as difference

## A

1 Join pairs that total 5.

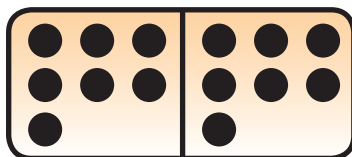


2 Write the answers.



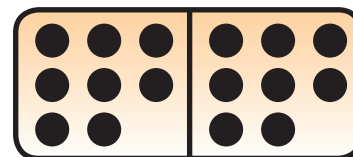
$6 + 6 =$

**12**



$7 + 7 =$

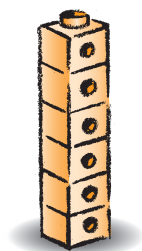
**14**



$8 + 8 =$

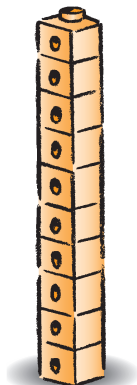
**16**

3 Write the differences.



$6 - 4 =$

**2**



$10 - 3 =$

**7**



$12 - 8 =$

**4**

## B

4 Write the answers.

2 add 3 is

**5**

5 subtract 3 is

**2**

1 add 3 equals

**4**

The difference between 4 and 2 is

**2**

5 Write the answers.

Double **4** is

**8**

Double **5** is

**10**

**6** and **6** is

**12**

6 Write the answers.

The difference between **6** and **4** is

**2**

The difference between **8** and **5** is

**3**

The difference between **12** and **2** is

**10**

**C**

7 Write the answer.

Amber has **4** sweets. She eats **2** sweets.

How many sweets does Amber have left?

**2**

8 Write the answer.

Dad throws a dart. It lands on double **7**.

What is Dad's score?

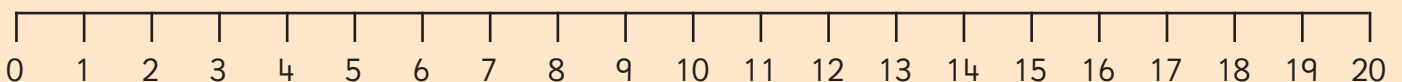
**14**

9 Write the answer.

Sam has **9** marbles. Yousef has **7** marbles.

How many more marbles does Sam have than Yousef?

**2**



# Section 1 Session 5

## Session Focus

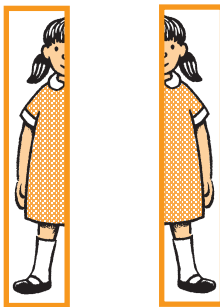
Symmetry

Sorting onto simple sorting diagrams

Subtraction of a one-digit from a two-digit number

### A

1 Tick the picture that belongs in the shaded box.



2 Sort the numbers into the boxes.

1    2    3    4    5    6    7    8    9    10

Odd	Even
1 3 5 7 9	2 4 6 8 10

3 Write the answers.

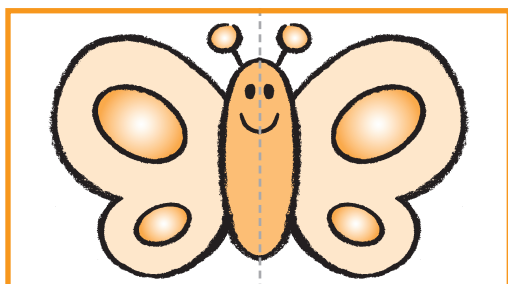
$$12 - 9 = \boxed{3}$$

$$19 - 7 = \boxed{12}$$

$$18 - 9 = \boxed{9}$$

### B

4 Draw the other half of the picture.



5 Circle the number that is in the wrong box.

Less than 10	Not less than 10
1    2    4    6    11	12    16    20    30    25

6 Write the answers.

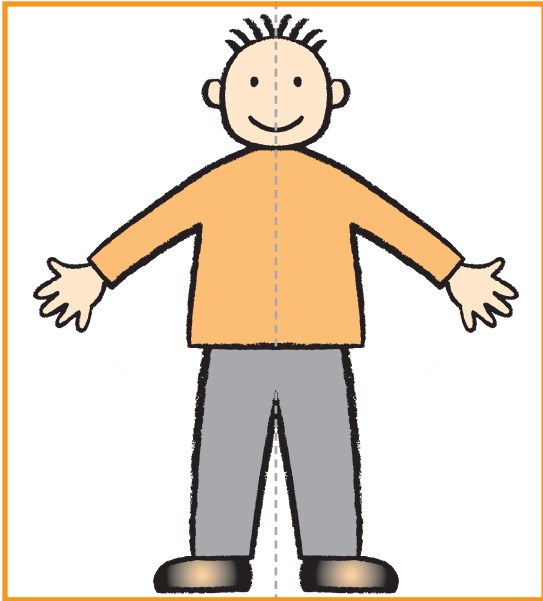
The difference between **16** and **4** is **12**

**17** take away **3** is **14**

**20** take away **8** is **12**

**C**

7 Finish the picture.



8 Write the numbers into the sorting diagram.

**15**   **21**   **90**   **26**   **19**   **40**   **20**   **58**

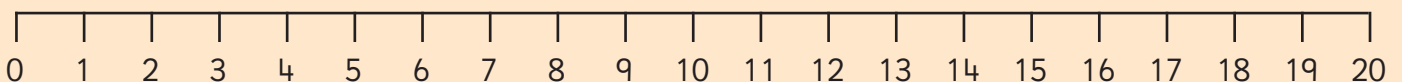
Multiples of <b>10</b>	Not multiples of <b>10</b>
<b>90</b> <b>40</b> <b>20</b>	<b>15</b> <b>21</b> <b>26</b> <b>19</b> <b>58</b>

9 Write the answer.

Theo has **14p**. He pays **8p** for a comic.

How much money does he have left?

**6p**



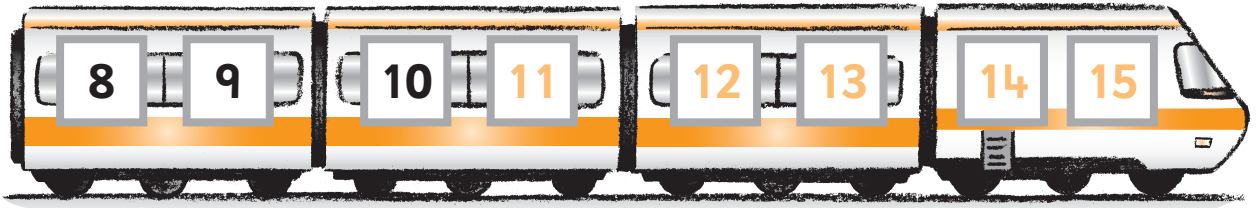
# Section 1 Check-up 1

## Session Focus

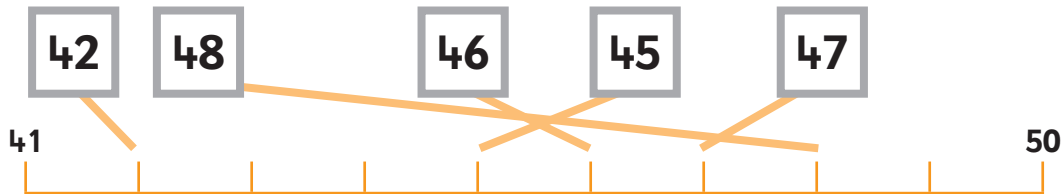
Comparing and ordering numbers, Writing 1/10 more/less numbers, Addition and subtraction, Totals of 10, Doubles to 10, Symmetry, Simple sorting diagrams

1

1 Write the missing numbers.



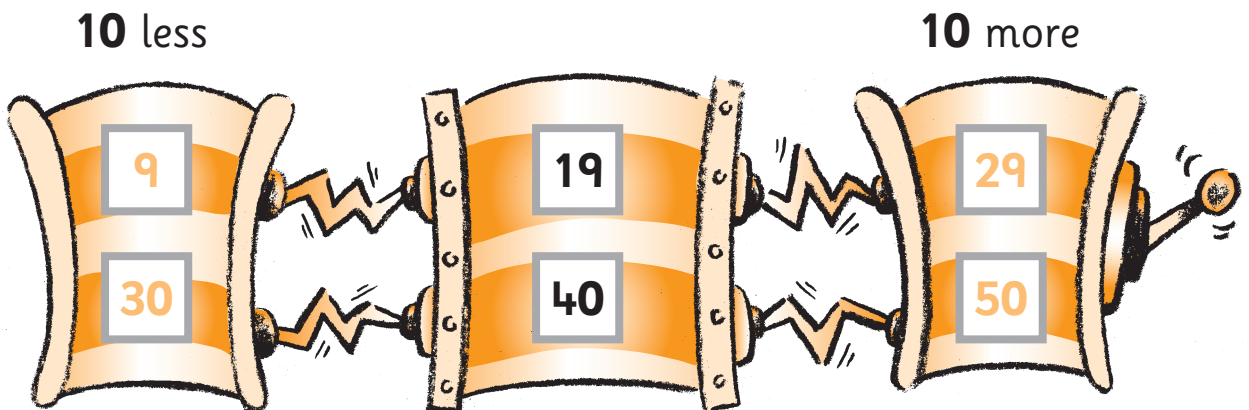
2 Join the numbers to their place on the number line.



3 Write the missing number.



4 Write the missing numbers.



5 Write the answer.

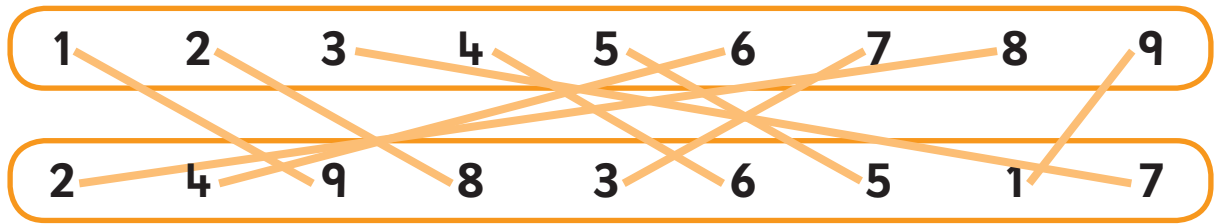
Isaac has **8** muffins. Freddie has **11** muffins.

How many fewer muffins than Freddie does Isaac have?

**3**



6 Join numbers that total 10.



7 Write the answers.

$4 - 1 = 3$

$2 + 3 = 5$

$5 - 3 = 2$

8 Write the answers.

Double 6 is 12

$7 + 7 = 14$

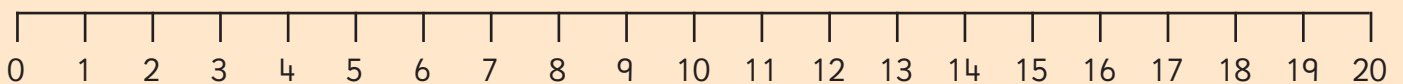
9 Draw the rest of the picture.



10 Write the numbers into the sorting diagram.

15    21    30    16    18    31

Has the tens digit 1	Does not have the tens digit 1
15   16   18	21   30   31



# Section 2 Session 1

Session Focus  
Measuring length  
Doubles of numbers to 10  
Addition and subtraction

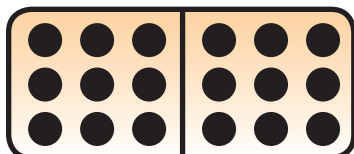
## A

1 How long is the ribbon?



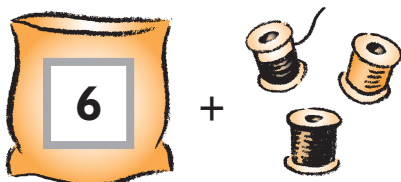
5 blocks

2 Write the answer.



$$9 + 9 = 18$$

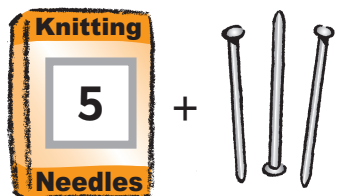
3 Write the answers.



$$6 + 3 = 9$$



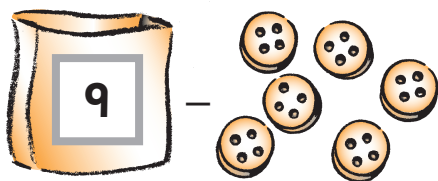
$$2 + 7 = 9$$



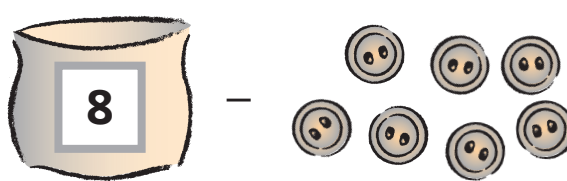
$$5 + 3 = 8$$



$$7 + 1 = 8$$



$$9 - 6 = 3$$



$$8 - 7 = 1$$

## B

4 Write the answers.

Double 5 is 10

Double 3 is 6

Double 8 is 16

5 Write the answer in words.

The ribbon is ten sticks long.

How long would two ribbons be?

**twenty**

sticks

6 Write the answers.

6 add 5 equals **11**

11 take away 3 is **8**

9 add 4 equals **13**

12 subtract 2 leaves **10**

The difference between 9 and 3 is **6**

**C**

7 Write the answer.

The string is 6 metres long. Joel cuts off 4 metres of string.

How much string is left?

**2**

metres

8 Write the answer.

Lucy has £7. Her dad gives her another £7.

How much money does Lucy have now?

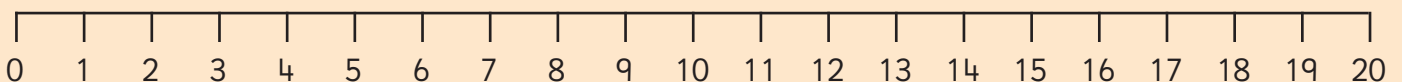
**£14**

9 Write the answer.

There are 16 flowers in the vase. Isha takes out 5 flowers.

How many flowers are in the vase now?

**11**

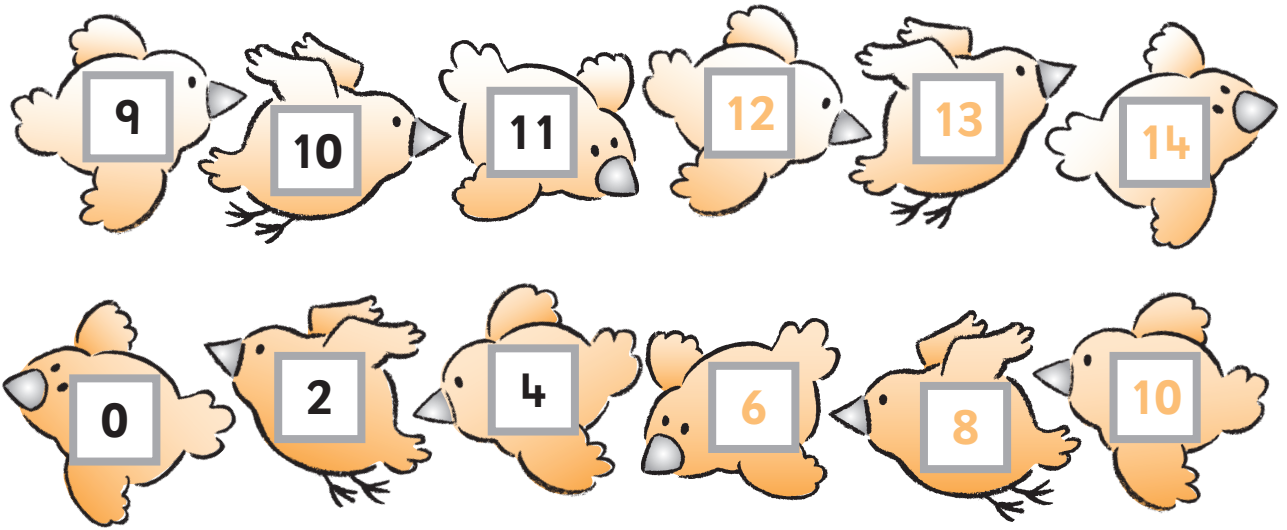


# Section 2 Session 2

**Session Focus**  
 Counting in 1s, 2s, 5s and 10s  
 Combining groups of 2, 5 or 10  
 Sharing into equal groups

**A**

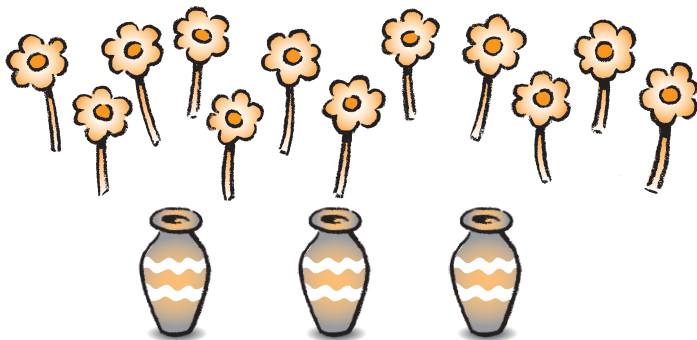
1 Write the missing numbers.



2 Write the answers.



3 Share the flowers equally between the vases.

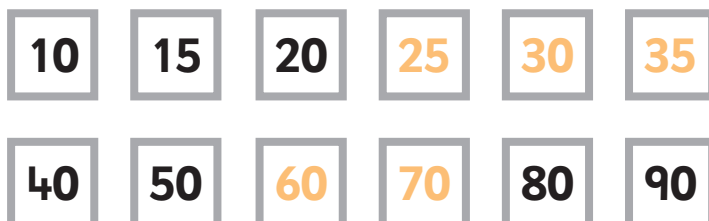


Write how many flowers there are in each vase.

4

**B**

4 Write the missing numbers.

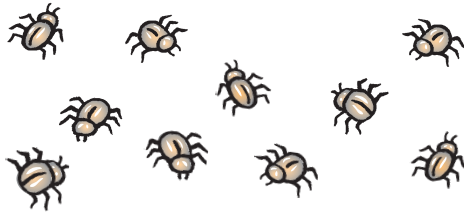


5 Write the answers.

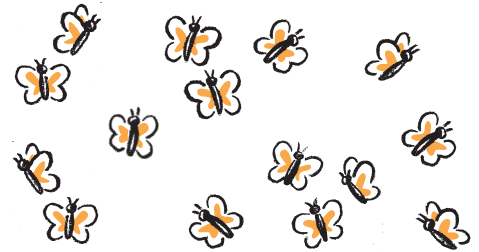
2 and 2 and 2 and 2 is **8**

5 and 5 and 5 is **15**

6 Use the pictures to help you.



10 shared by 2 is **5**



15 shared by 5 is **3**

**C**

7 Write the answer.

Ava hops in **2s** from **0** along the number track.  
She makes **4** hops.

What number does she land on?

**8**

8 Write the answer.

Dylan has **5** red apples and **5** green apples.

How many apples is that in total?

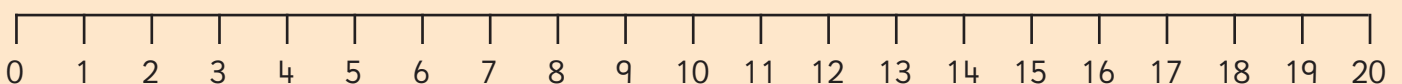
**10**

9 Write the answer.

Elliot has **6** oranges.  
He shares the oranges equally between **3** plates.

How many oranges are there on each plate?

**2**



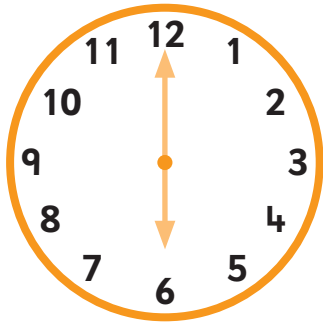
# Section 2 Session 3

**Session Focus**

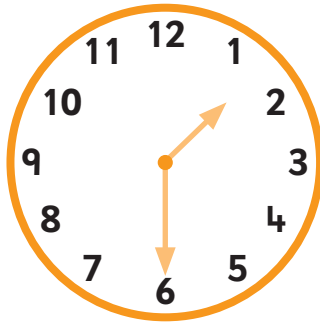
Telling the time to the hour and half hour  
Addition and subtraction  
Subtraction of a one-digit from a two-digit number

**A**

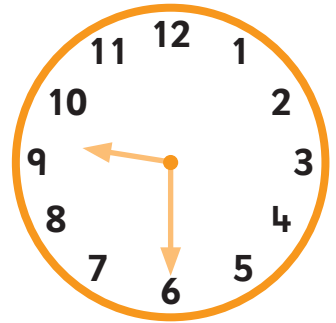
1 Draw the hands to show these times.



6.00

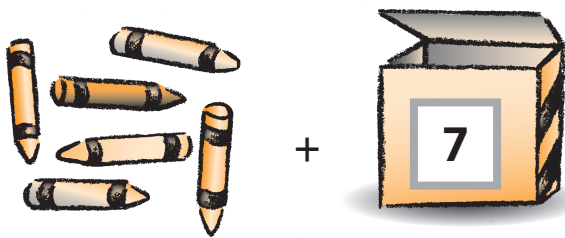


1.30

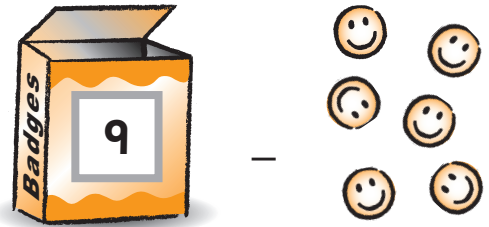


9.30

2 Write the answers.

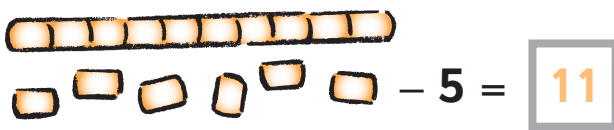


$$6 + 7 = \boxed{13}$$

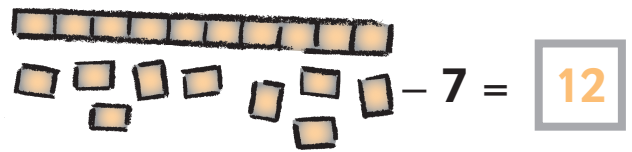


$$9 - 6 = \boxed{3}$$

3 Write the answers.



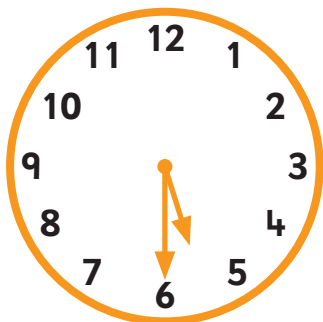
$$- 5 = \boxed{11}$$



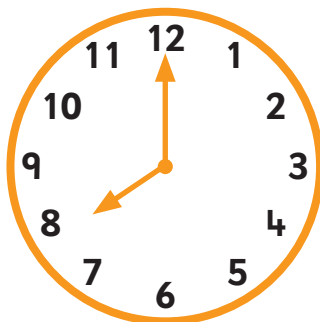
$$- 7 = \boxed{12}$$

**B**

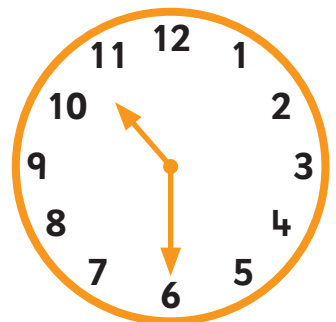
4 Tick the clock that shows the earliest time.



afternoon



morning ✓



evening

5 Write the answers.

8 add 2 equals

10 subtract 4 leaves

The difference between 9 and 5 is

6 Write the answers.

19 subtract 7 is

15 take away 3 leaves

18 minus 6 equals

13 subtract 4 leaves

**C**

7 Write the answer.

Mum leaves home at 8 o'clock.  
She gets to work 1 hour later.

At what time does she get to work?  o'clock

8 Write the answer.

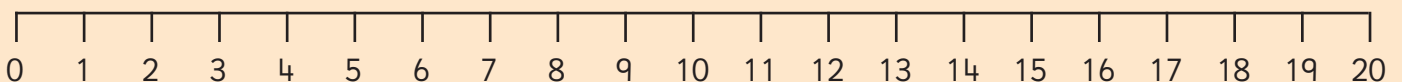
Toby has £9. His dad gives him another £3.

How much money does Toby have now?

9 Write the answer.

There are 15 birds on the roof. 4 birds fly away.

How many birds are left on the roof?



# Section 2 Session 4

## Session Focus

Position, direction and movement

Addition and subtraction

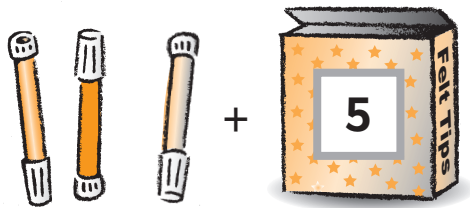
Subtraction of a one-digit from a two-digit number

### A

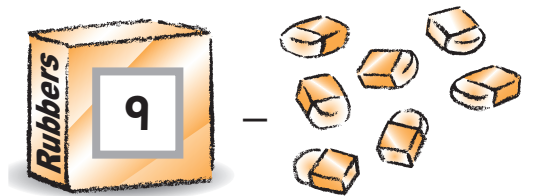
1 Tick things that turn.



2 Write the answers.

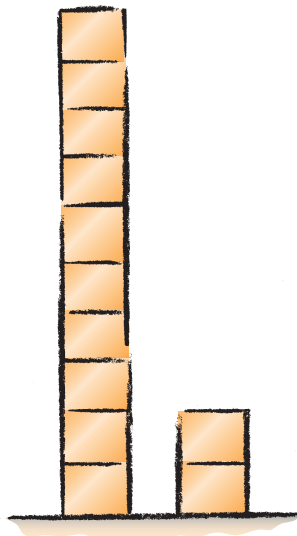


$$3 + 5 = \boxed{8}$$

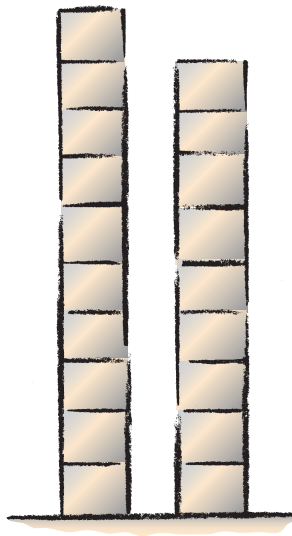


$$9 - 7 = \boxed{2}$$

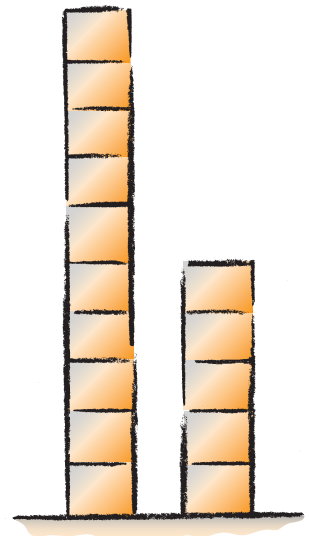
3 Write the answers.



$$12 - 2 = \boxed{10}$$



$$19 - 8 = \boxed{11}$$



$$15 - 3 = \boxed{12}$$

### B

4 Write the answers.

7 add 4 equals  $\boxed{11}$

9 and 2 is  $\boxed{11}$

7 take away 3 is  $\boxed{4}$

8 minus 3 is  $\boxed{5}$

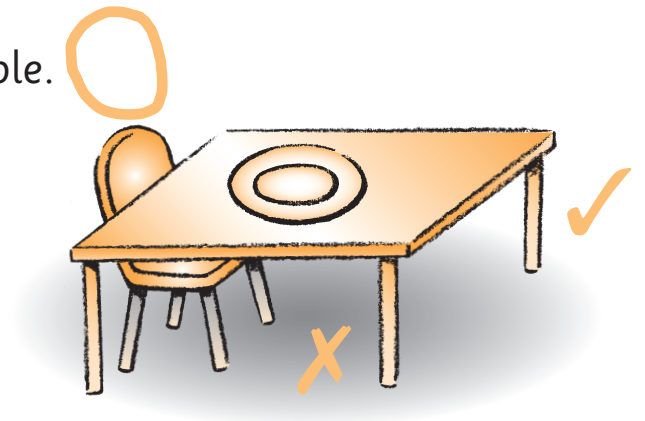


5 Tick, circle or cross the answer.

Put a tick on the right-hand side of the picture.

Put a cross underneath the table.

Put a circle above the chair.



6 Write the answers in words.

eighteen minus seven is

eleven

nineteen subtract four is

fifteen

C

7 Look at the picture for question 5.

Draw a plate on the table.

8 Write the answer.

Harry has  and . Daniel has .

How much have Harry and Daniel in total?

£ 9

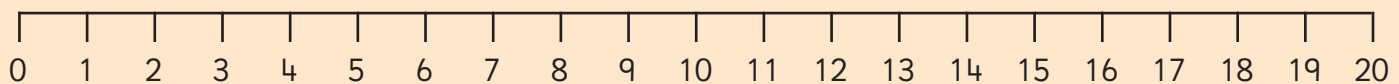
9 Write the answer.

There are **18** cows in the field.

The farmer puts **4** of the cows into the barn.

How many cows are left in the field?

14

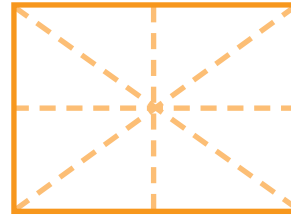
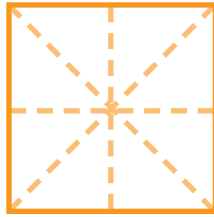
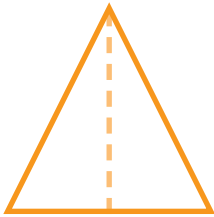


# Section 2 Session 5

**Session Focus**  
Halves and quarters  
Position, direction and movement  
Addition and subtraction

## A

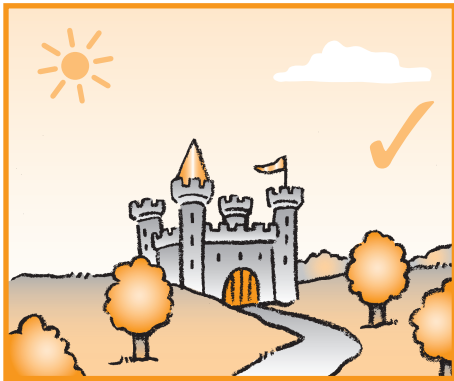
1 Draw a line on these shapes to cut them in half.



Now draw another line on the square to make quarters.

Child should only draw two lines on the square and one on the rectangle.

2 Put a tick on the right-hand side of the picture.



3 Write how much the coins total.



and



**2p**



and



**£ 3**



and



**4p**



and



**6p**

## B

4 Write the answers.

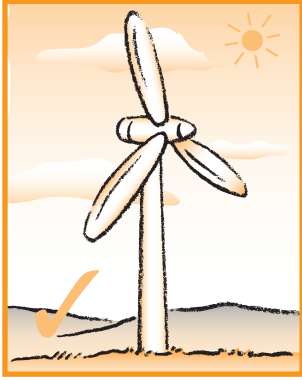
Write what is half of 6.



Write what is a quarter of 4.



5 Put a tick on the left-hand side of the picture.



6 Write the answers.

9 add 3 equals **12**

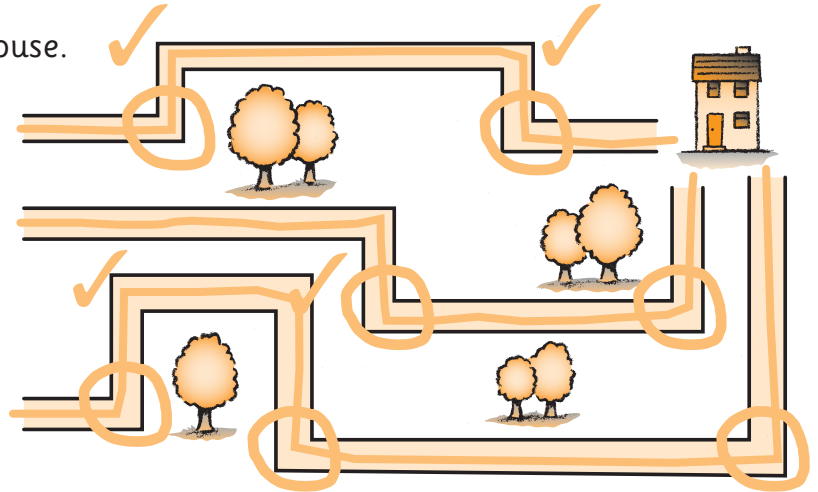
9 subtract 4 leaves **5**

**C**

7 Write the answer.

What is half of **10**? **5**

8 Draw along a path to the house.  
Do this **2** more times.  
Put a tick by a right turn.  
Circle a left turn.

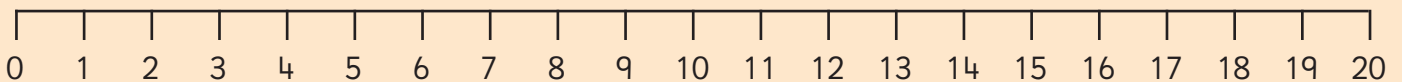


Child should only draw  
one tick and one circle.

9 Write the answer.

Tom has **10p**. He spends **4p**.

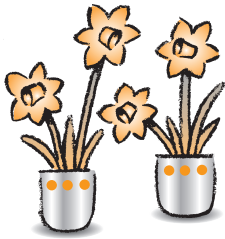
How much change does he get? **6p**



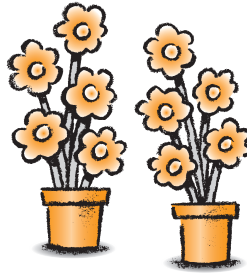
# Section 2 Session 6

**Session Focus**  
Combining groups of 2, 5 or 10  
Sharing into equal groups  
Addition and subtraction

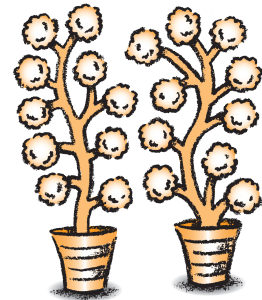
**A** 1 Count the flowers. Write how many.



4

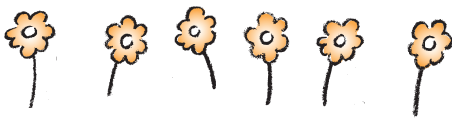


10



20

2 Share the flowers into the vases. Write how many there are in each vase.

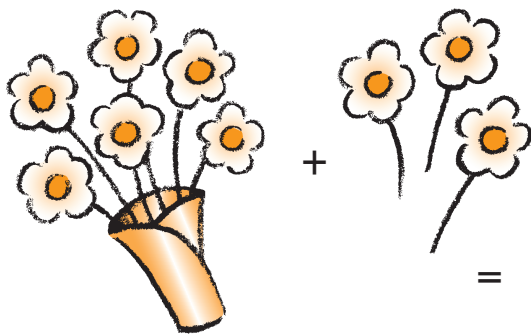


2

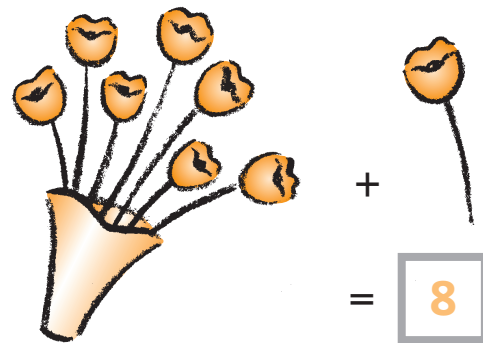


2

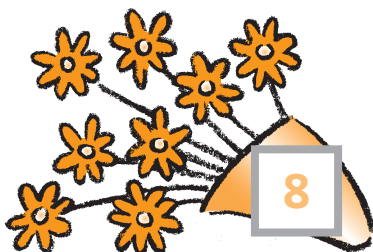
3 Write the answers.



= 9



= 8



- 4 = 4



- 1 = 8

**B** 4 Write the answers.

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

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

5 Use the picture to help you.



10 shared by 2 is

10 shared by 5 is

6 Write the answers.

5 add 6 is     3 add 4 is     9 minus 4 leaves

The difference between 8 and 6 is

**C**

7 Write the answer.

Ruby has 5 red apples, 5 green apples and 5 yellow apples.

How many apples is that in total?

8 Write the answer.

Max has 10 apples.

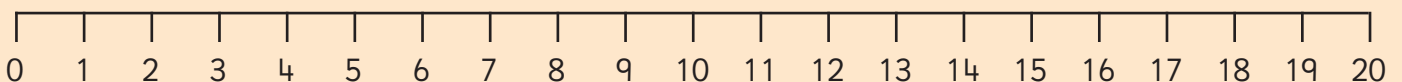
He shares the apples equally between two plates.

How many apples are on each plate?

9 Write the answer.

9 birds sit on the wall. 7 birds fly away.

How many birds are on the wall now?



# Section 2 Check-up 2

## Session Focus

Addition and subtraction, Ordering numbers, Sharing into equal groups, Halves and quarters, Telling the time to the hour and half hour, Turning

2

1 Write the answer.

$$9 + 9 = 18$$

2 Write the answer.

$$9 - 6 = 3$$

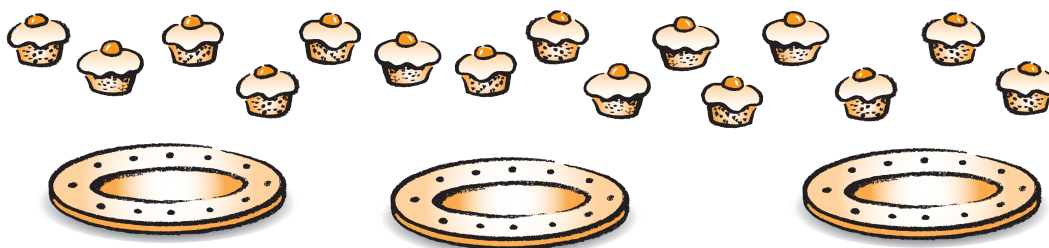
3 Write the missing numbers.

$$40 \quad 42 \quad 44 \quad 46 \quad 48 \quad 50$$

4 Write the answer.

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

5 Share the cakes equally onto the plates.  
Write how many cakes there are on each plate.



5

6 Write how much the coins total.



and



£ 2



and



15p

7 Write the answers.

Half of 6 is 3

Quarter of 8 is 2

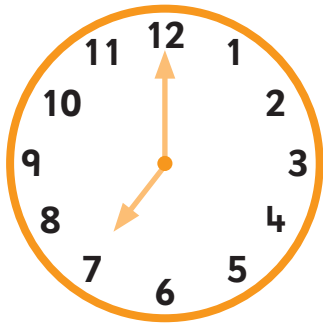
8 Write the answer.

Erin's castle is **10** bricks high.  
Katie's castle is **7** bricks high.

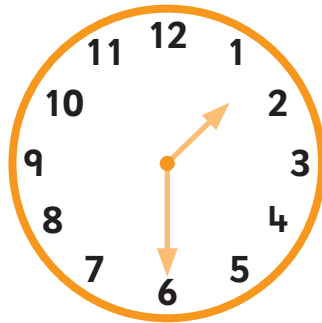
How much taller is Erin's castle  
than Katie's castle?

**3** bricks

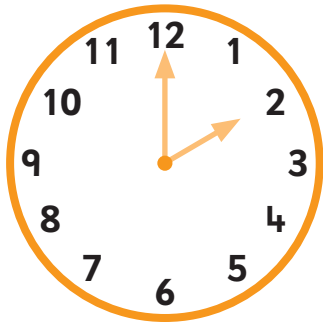
9 Draw the hands on the clocks.



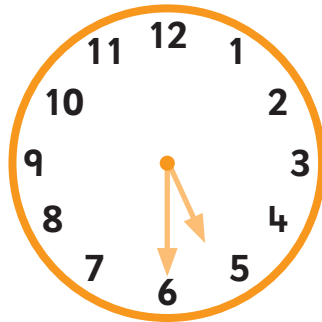
7 o'clock



Half past 1

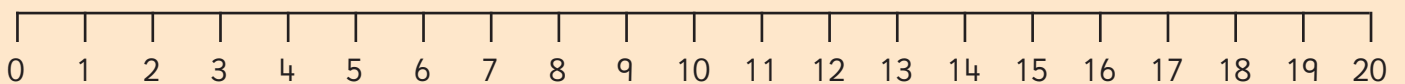
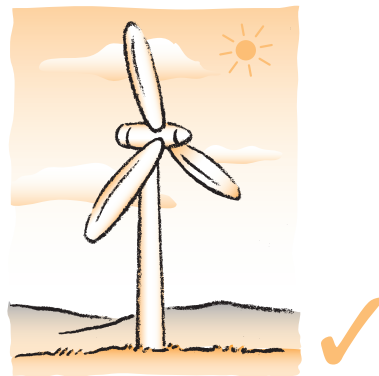
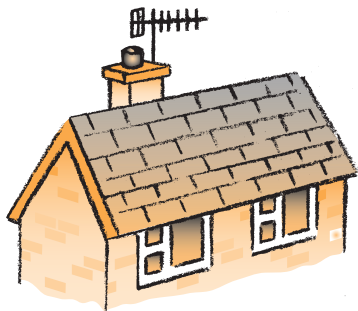


2 o'clock



Half past 5

10 Tick the one that turns.



# Check-up 3 Number

Session Focus  
Number order  
Addition/subtraction  
Sharing into equal groups  
Halves and quarters

3

1 Write the missing numbers.



2 Write the missing numbers.



3 Write the answers.

1 less

1 more

10 less

10 more



4 Count on from the larger number to find the answer.

$$3 + 5 = \boxed{8}$$

5 Write the answers.

$$4 + 1 = \boxed{5}$$

$$5 - 3 = \boxed{2}$$

6 Write the answers.

$$7 + 7 = \boxed{14}$$

$$\boxed{6} + 4 = 10$$

7 Write the missing number.





8 Write the answers.

$1 + 8 = \boxed{9}$

$9 - 4 = \boxed{5}$

9 Write the missing numbers.

6	8	10	12	14
---	---	----	----	----

30	35	40	45	50
----	----	----	----	----

0	10	20	30	40
---	----	----	----	----

10 Write the answers.

$2 + 2 + 2 = \boxed{6}$

$5 + 5 + 5 + 5 = \boxed{20}$

$10 + 10 = \boxed{20}$

11 Share the cakes equally. Write how many are on each plate.



$\boxed{3}$

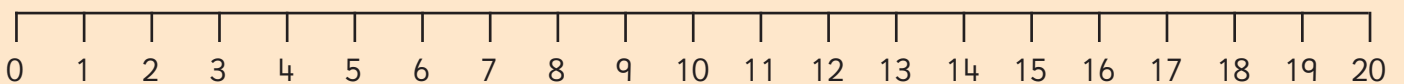
12 Write the answer.

$15 - 6 = \boxed{9}$

13 Write the answers.

What is half of 8?  $\boxed{4}$

What is a quarter of 8?  $\boxed{2}$



# Check-up 4 Measurement and Geometry

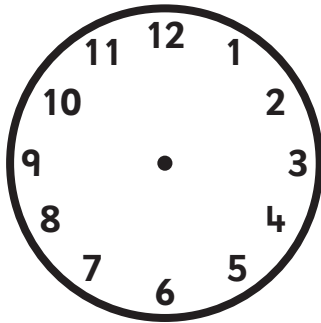
**4**

1 How long is this ribbon?

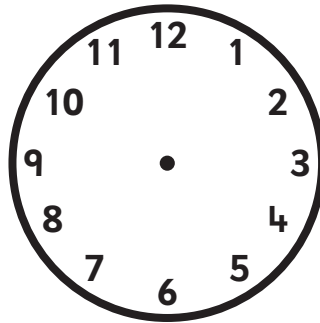


squares

2 Draw hands on the clocks to show these times.



8 o'clock



Half past 4

3 Draw the answer.

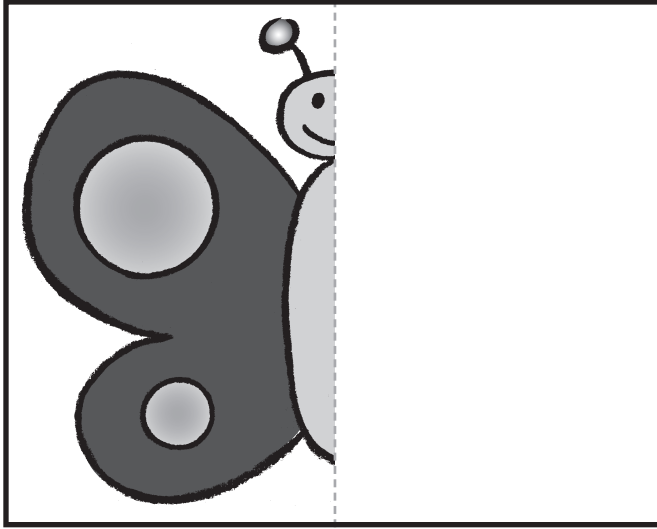


Liz goes along the path and turns right to post a letter.

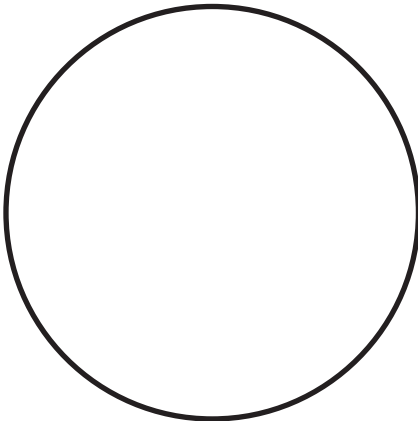
Circle the house she goes to.

# Check-up 4 (page 2)

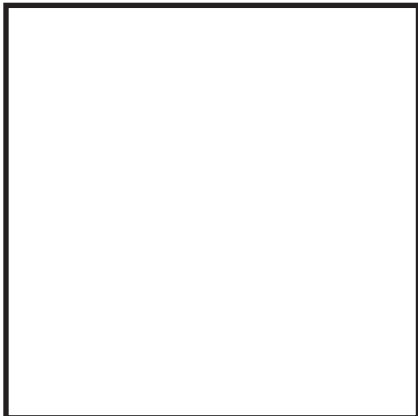
4 This is half of a butterfly. Finish the picture.



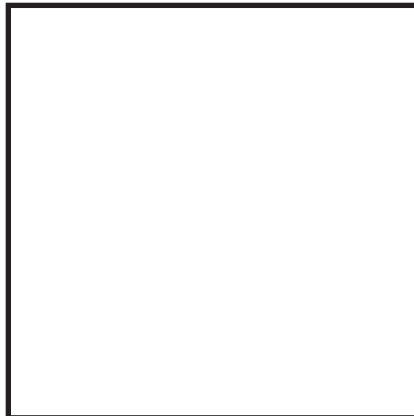
5 Draw a line to cut this circle into halves.



6 Split these two squares into quarters in two different ways.

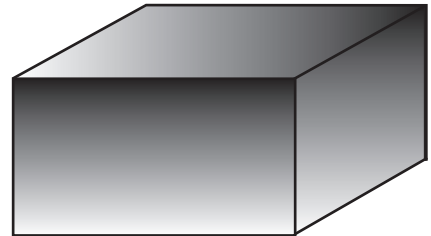
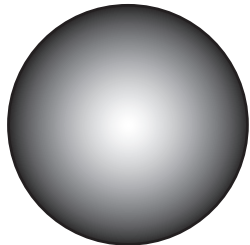
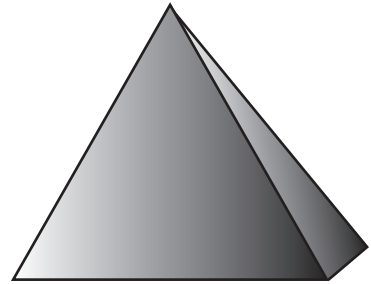
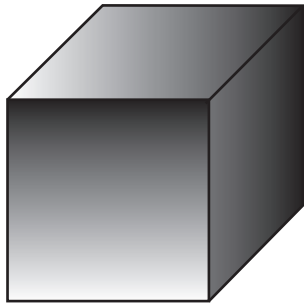


or

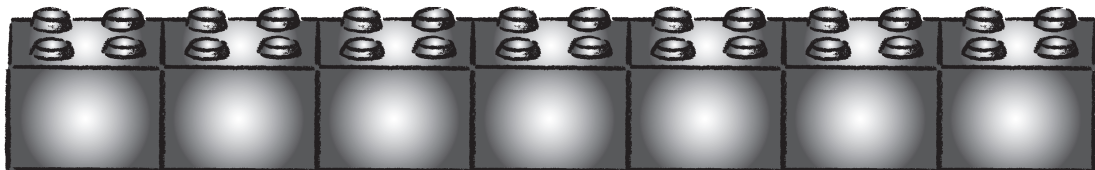


### Check-up 4 (page 3)

7 Write the names of these **3-D** shapes.



8 Draw a line as long as these bricks.



9 Draw a shape with 3 straight sides.

# Check-up 4 Answers

## Measurement and Geometry

### Session Focus

Length  
Telling the time to the hour and half hour  
Turning  
Symmetry  
Halves and quarters  
Shape

4

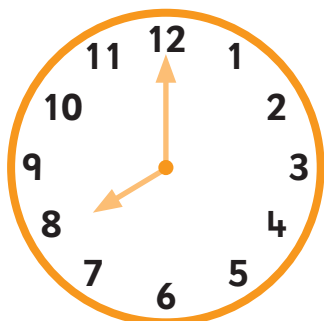
1 How long is this ribbon?



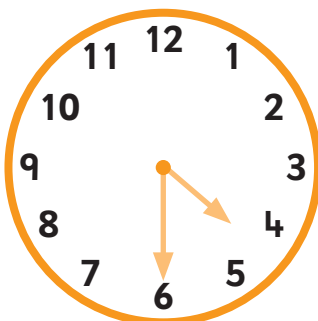
6

squares

2 Draw hands on the clocks to show these times.

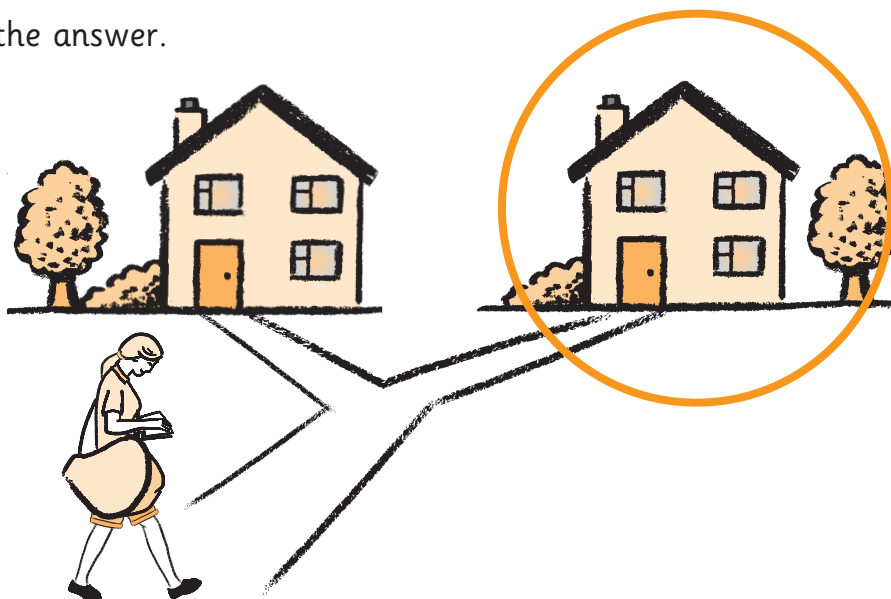


8 o'clock



Half past 4

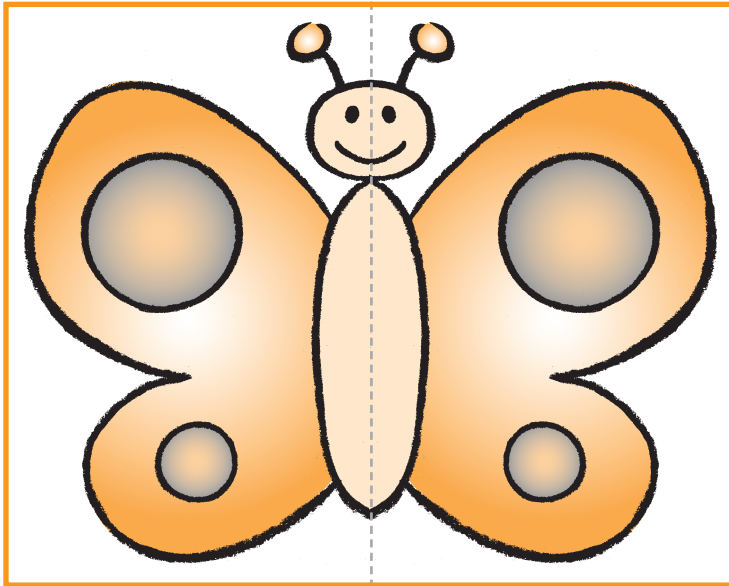
3 Draw the answer.



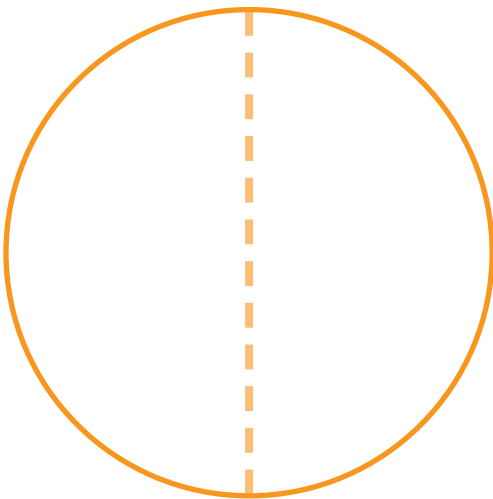
Liz goes along the path and turns right to post a letter.

Circle the house she goes to.

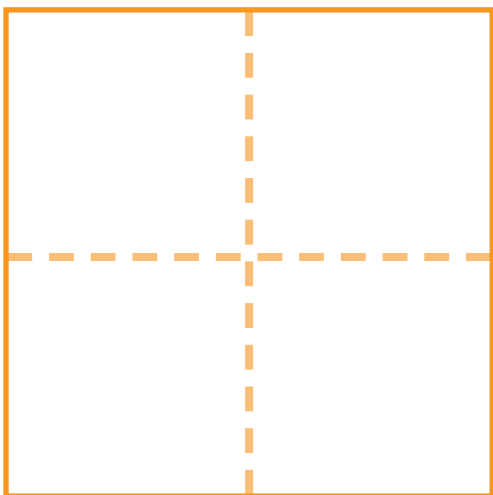
4 This is half of a butterfly. Finish the picture.



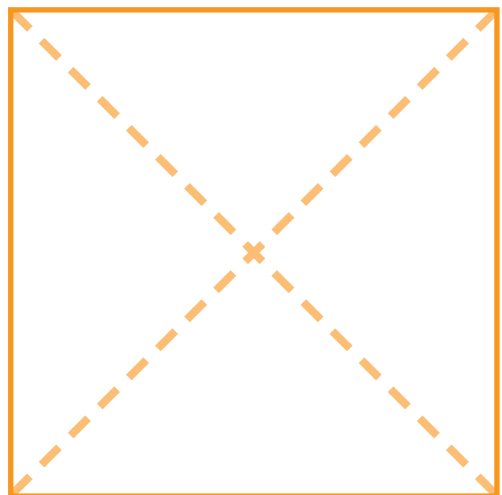
5 Draw a line to cut the circle into halves.



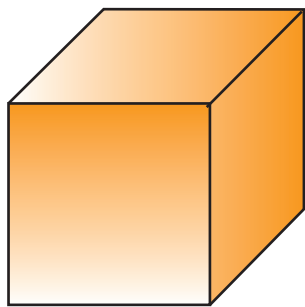
6 Split these two squares into quarters in two different ways.



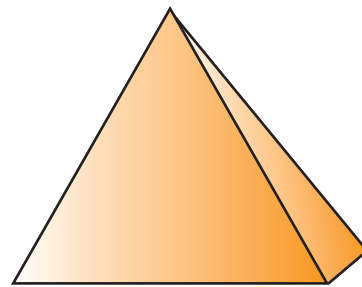
or



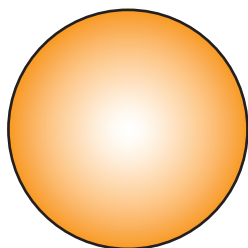
7 Write the names of these **3-D** shapes.



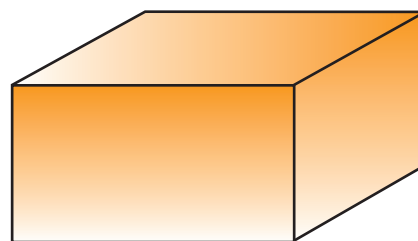
Cube



Pyramid

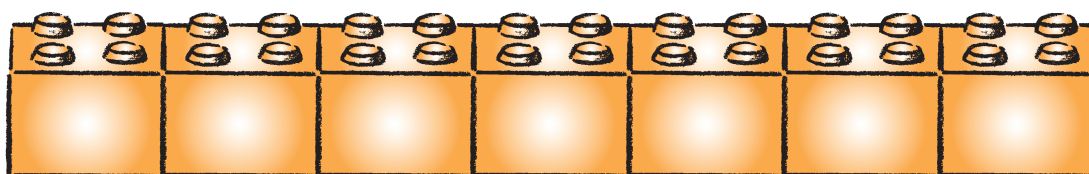


Sphere



Cuboid

8 Draw a line as long as these bricks.



9 Draw a shape with 3 straight sides.

