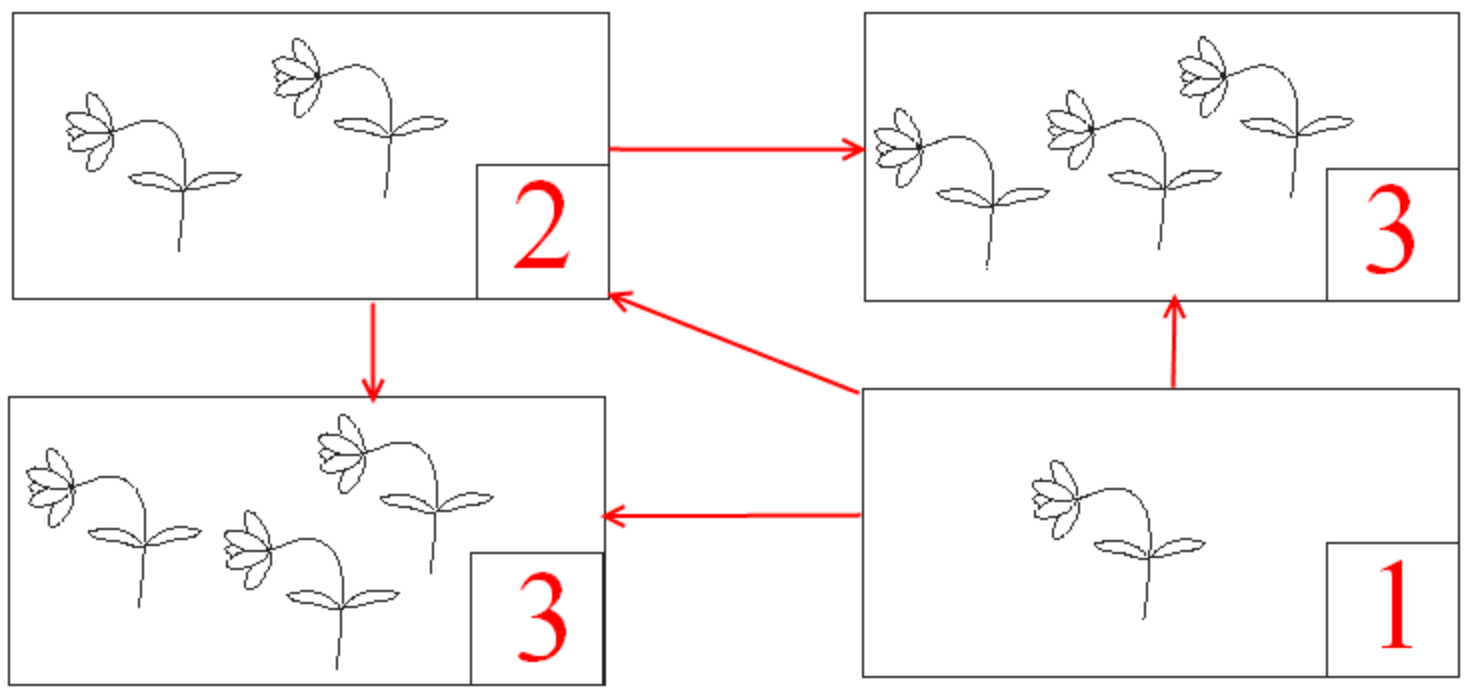
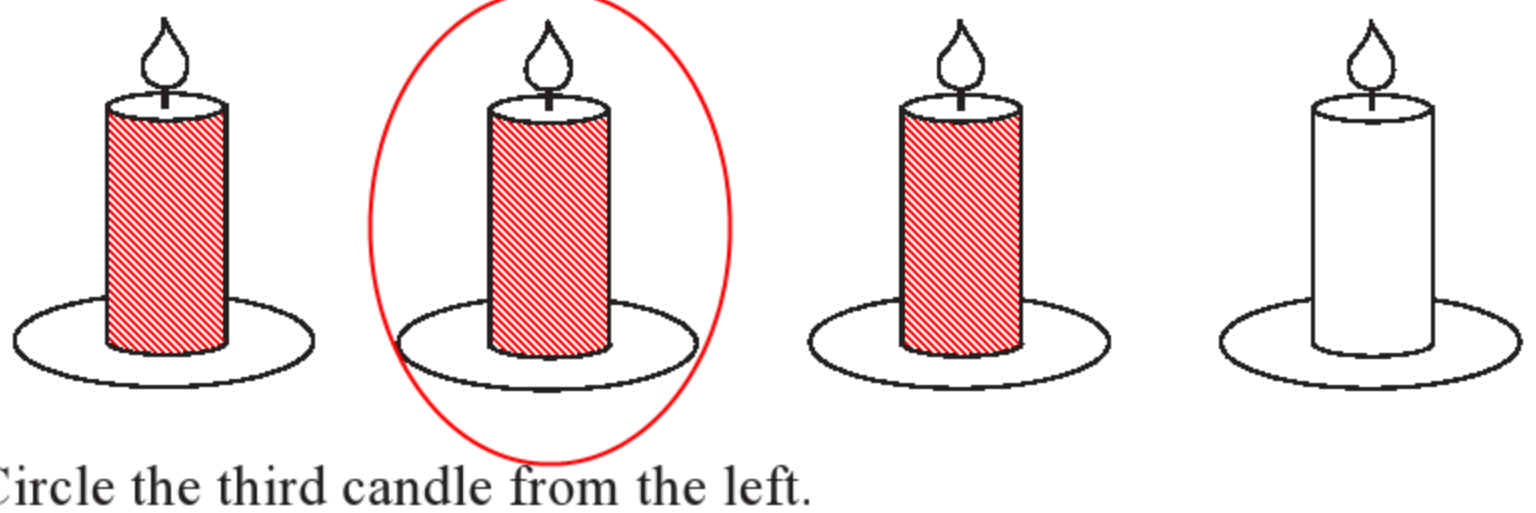
**1**


**2** Write in the box how many flowers are in each picture.




Compare the pictures by drawing arrows between them to show **more**.

**3** a) Colour in **three** candles.



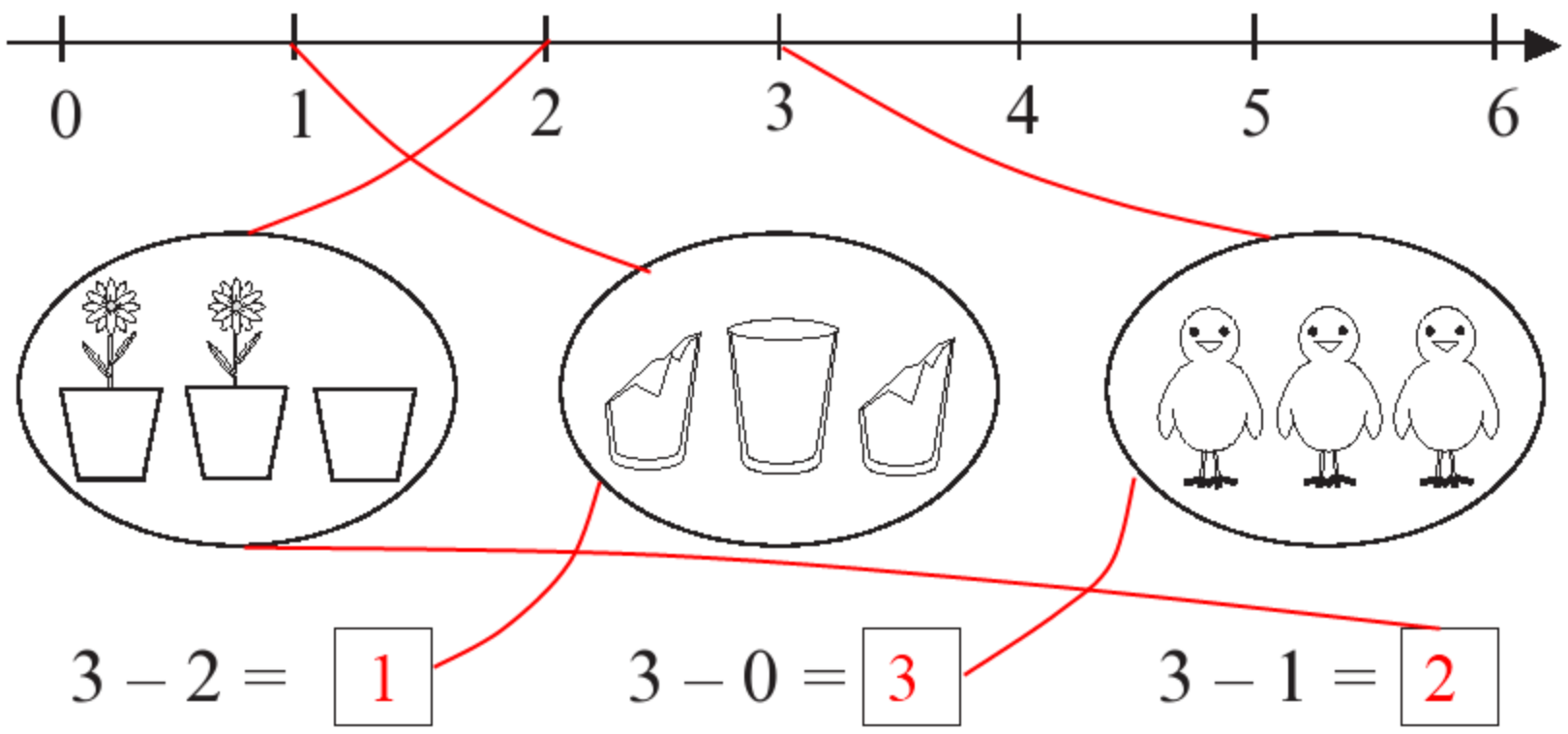
b) Circle the third candle from the left.

c) Tick the third candle from the right.

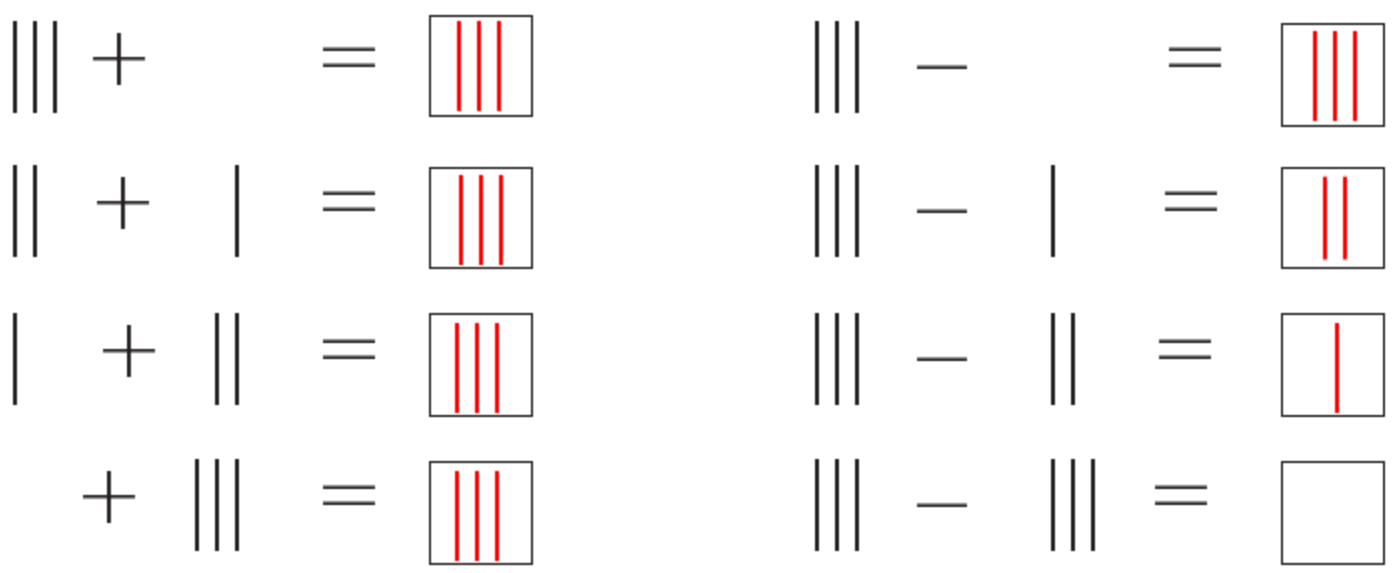
**1** Write 3 as an addition.

3 + 0 2 + 1 1 + 2 0 + 3

**2** Join each picture to the corresponding point on the number line and to the correct equation on the number line.




**3** Draw the missing sticks in the boxes.




**4** Write the missing numbers in the boxes.

0 + 3 = 3 1 + 2 = 3 2 + 1 = 3 3 + 0 = 3

1 + 1 + 1 = 3 1 + 2 + 0 = 3

0 + 1 + 2 = 3 0 + 3 + 0 = 3

**1** Continue the pattern.

3 3 3 3 3 3 3

3 3 3 3 3 3 3

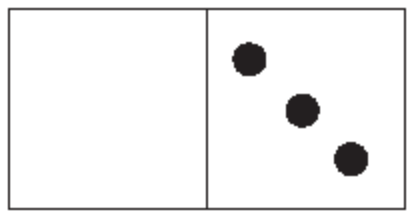
**2** Fill in the missing numbers.

3 – 2 = 1 3 – 2 = 1

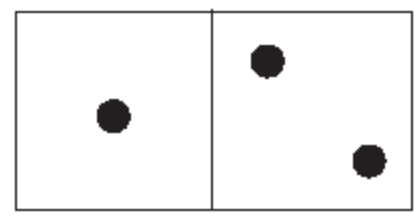
3 – 3 = 0 3 – 3 = 0

3 – 1 = 2 2 – 0 = 2

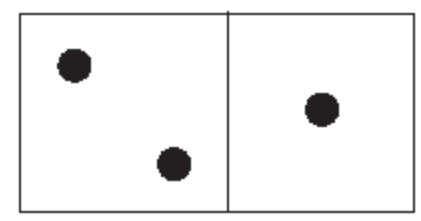
**3** Every domino has a total of **three** dots. Write it as an addition.



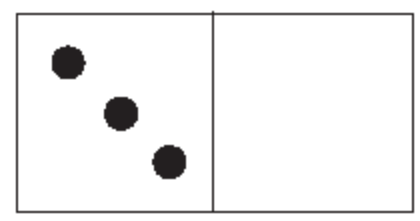
0 + 3 = 3



1 + 2 = 3

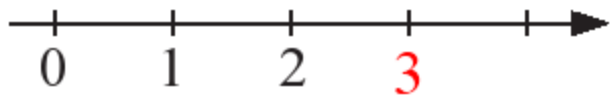


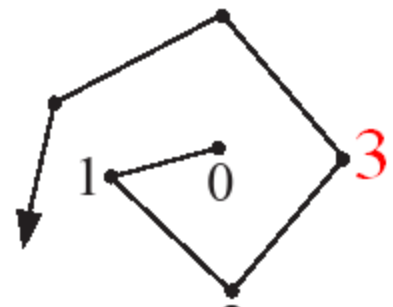
2 + 1 = 3

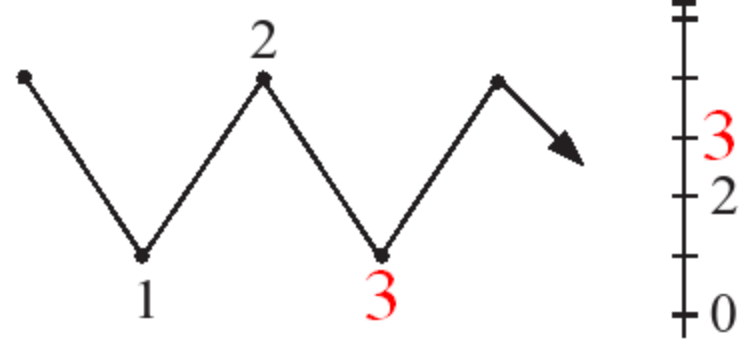


3 + 0 = 3

**4** Mark where the number 3 is on each of the lines.



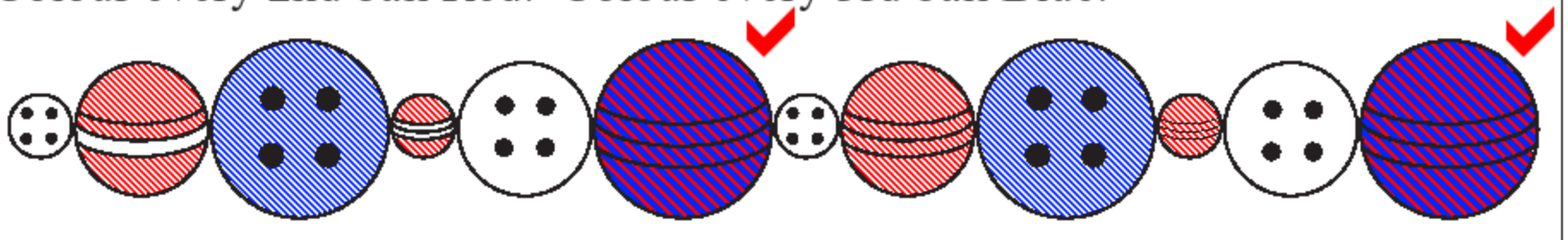





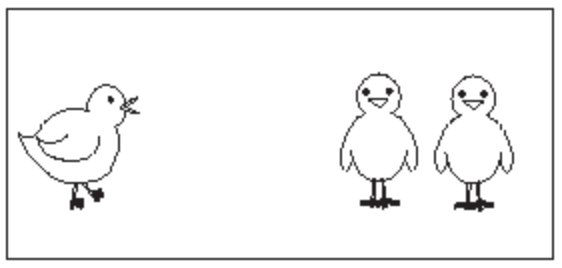


**5** Colour every 2nd ball Red. Colour every 3rd ball Blue.

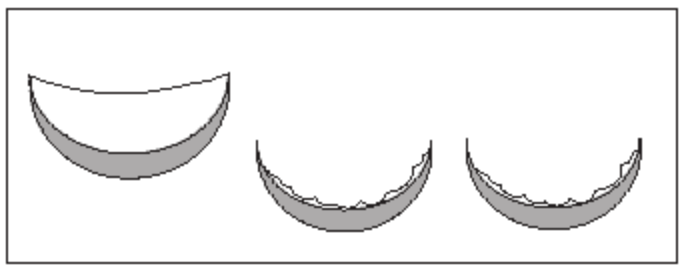


Tick the balls which you have coloured twice.

**1** What do the pictures show? Fill in the missing numbers.

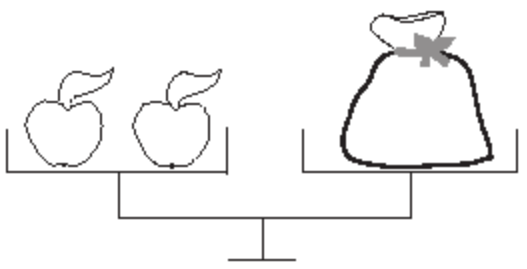


3 = 1 + 2

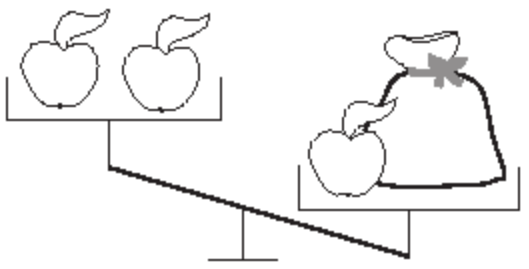


3 − 2 = 1

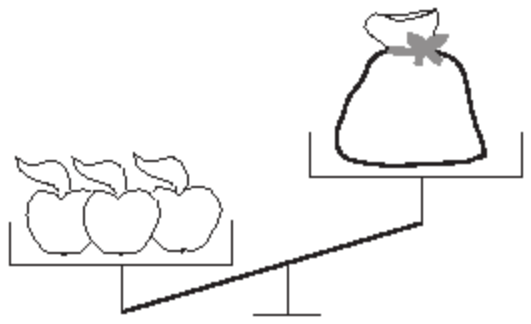
**2** How many apples could be in each bag?



= 2



= 2 or 3



= 2 or 1 or 0

**3** Fill in the missing numbers.

$$3 \xrightarrow{-1} 2 \xrightarrow{+0} 2 \xrightarrow{-1} 1 \xrightarrow{+2} 3 \xrightarrow{-2} 1 \xrightarrow{+1} 2 \xrightarrow{-2} 0$$

**4** Fill in the missing numbers.

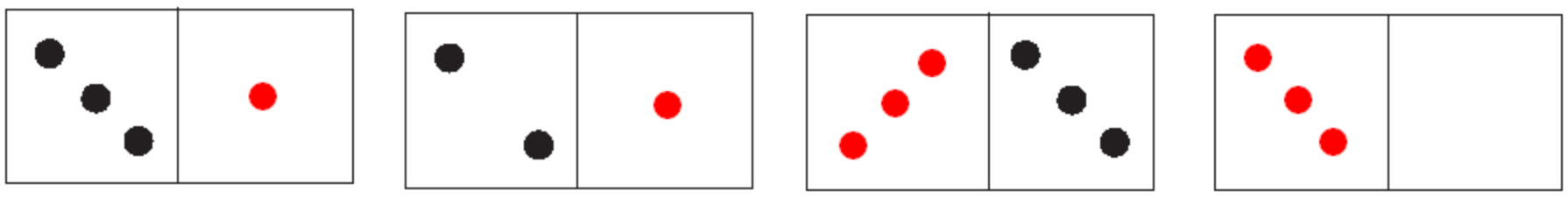
a) $1 + 1 = 2$, $1 + 2 = 3$, $2 + 1 = 3$

b) $3 - 1 = 2$, $2 - 1 = 1$, $1 - 1 = 0$

c) $3 - 2 = 1$, $2 - 1 = 1$, $1 - 0 = 1$

**1**

Complete the drawings to match the signs.

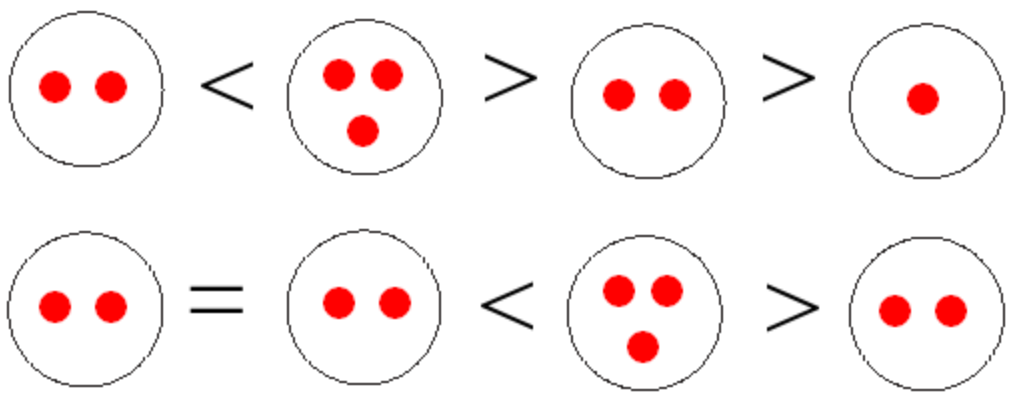


3 2> 1 2 1> 1 3 = 3 3 3> 0

Write in the missing numbers.

**2**

Draw dots on the balls to make the the signs correct.



Possible answer

**3**

Mary has one more Red hat than she has Blue hats.

How many Red and how many Blue hats can she have if she has **not more** than three hats of either colour?

| | | | | |
|---|---|---|---|---|
| *Red*  | 1 | 2 | 3 | |
| *Blue*  | 0 | 1 | 2 | |

**4**

Continue the pattern.

| 0 0 | | | 0 0 0 0 | | | | 0 0 0 0 0 0 | | | | | |

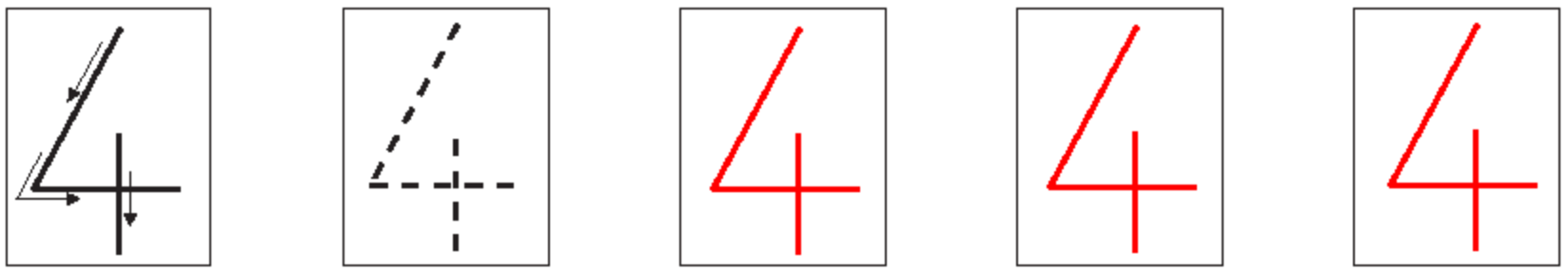
**5**

Write the numbers 0, 1, 2 or 3 in the boxes to make the signs correct.

0 < 1 < 2 < 3

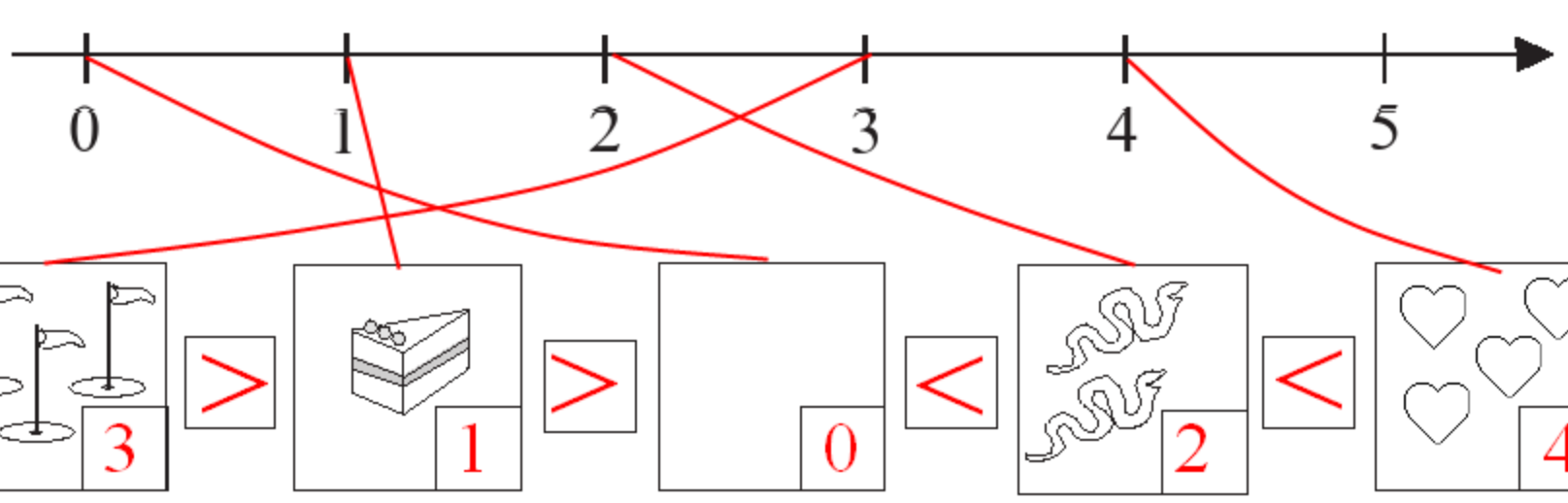
3 > 2 > 1 > 0

**1** Continue the pattern.



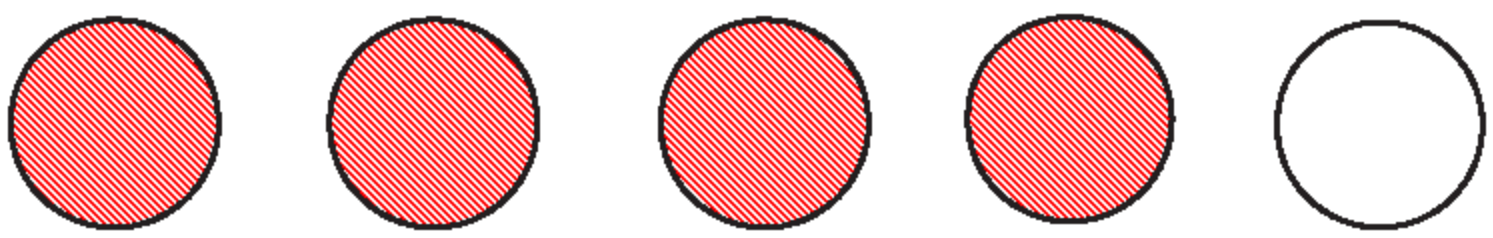
**2** Write the correct numbers and signs in the boxes.

Join the pictures to the matching points on the number line.




**3** Colour in **four** circles.

(a)



(b) Tick the fourth circle from the right.

What is its position from the left? Second

**4** Show the sums with sticks.

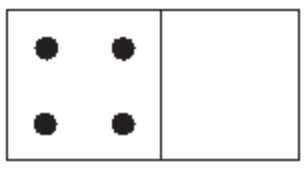
| + || = |||  | + ||| = ||||  || + || = ||||

**1** Write 4 as an addition in different ways

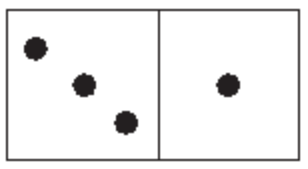
$4 + 0$ $\quad$ $3 + 1$ $\quad$ $2 + 2$

$1 + 3$ $\quad$ $0 + 4$

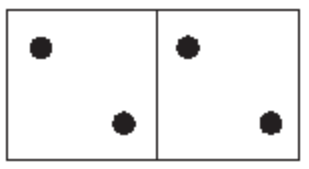
**2** Write an addition about each domino.



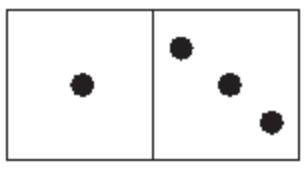
$4 + 0 = 4$



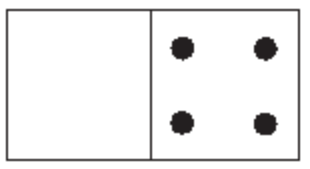
$3 + 1 = 4$



$2 + 2 = 4$

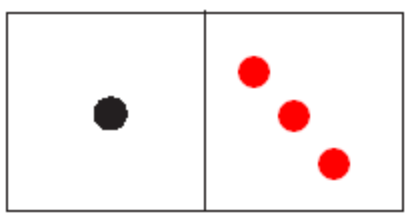


$1 + 3 = 4$

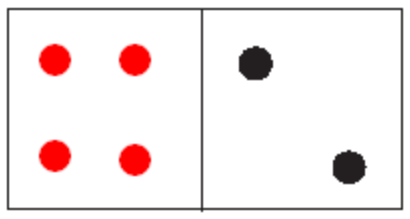


$0 + 4 = 4$

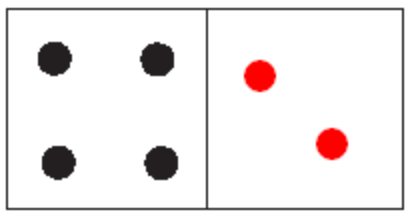
**3** Complete the pictures to make the signs correct. Fill in the missing numbers.



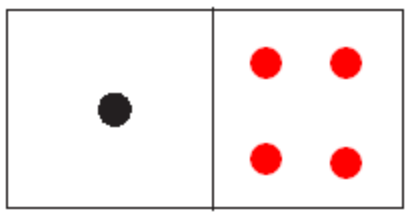
$1 < 3$



$4 > 2$



$4 > 2$



$1 < 4$

**4** Practise addition.

$0 + 0 = 0$ $\quad$ $1 + 0 = 1$ $\quad$ $2 + 0 = 2$ $\quad$ $3 + 0 = 3$ $\quad$ $4 + 0 = 4$

$0 + 1 = 1$ $\quad$ $1 + 1 = 2$ $\quad$ $2 + 1 = 3$ $\quad$ $3 + 1 = 4$

$0 + 2 = 2$ $\quad$ $1 + 2 = 3$ $\quad$ $2 + 2 = 4$

$0 + 3 = 3$ $\quad$ $1 + 3 = 4$

$0 + 4 = 4$

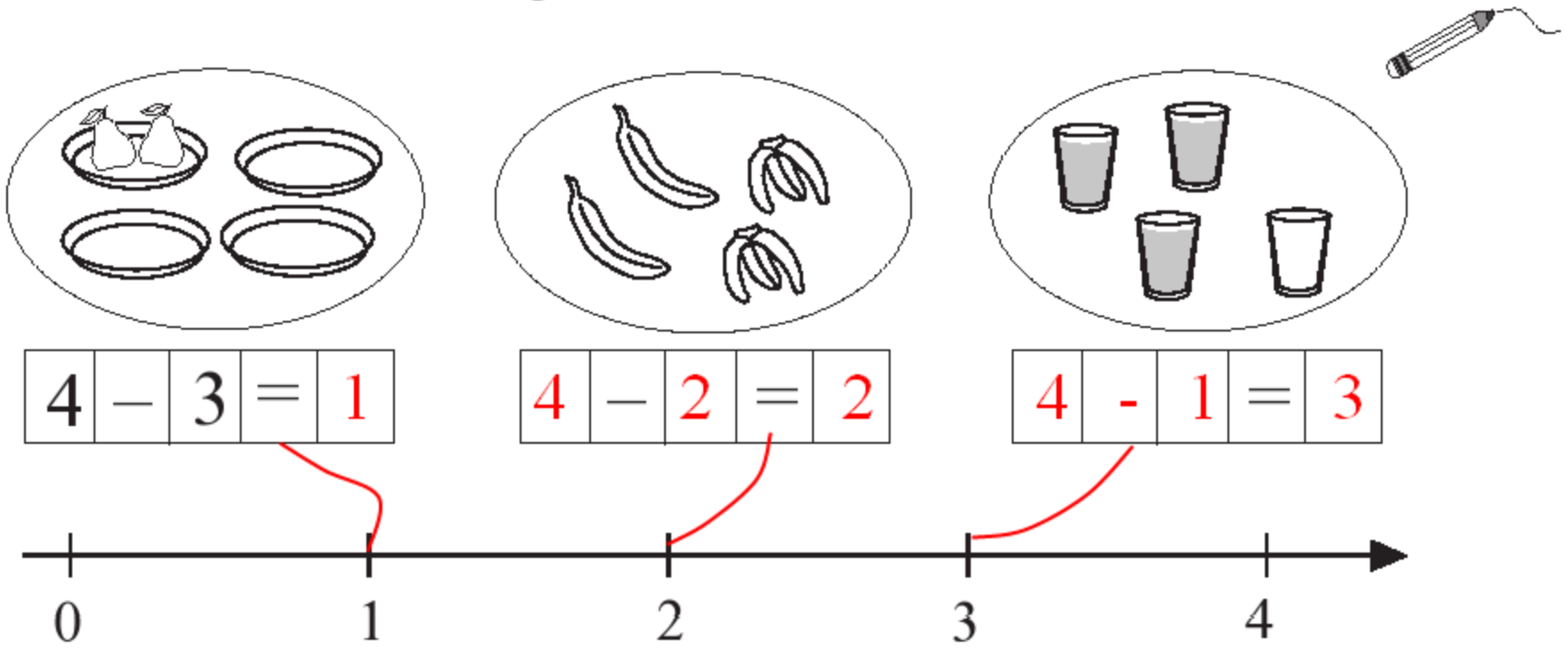
**1** Copy out each set of numbers

(a) 4 3 2 1 0 — 4 3 2 1 0

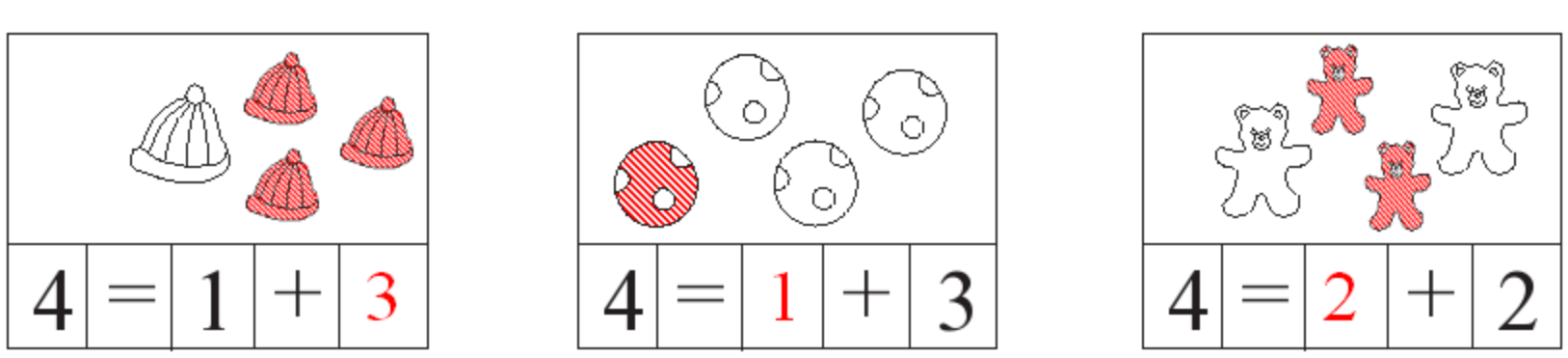
(b) 0 2 4 0 — 0 2 4 0

(c) 1 4 1 3 — 1 4 1 3

**2** Write subtractions for each picture. Join each answer to the number line.



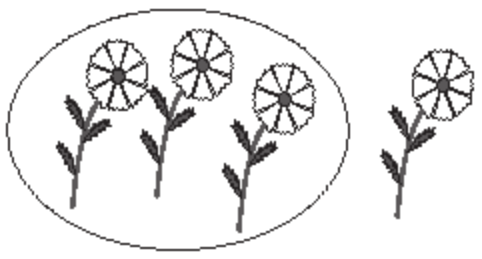

**3** Complete the pictures and the additions.



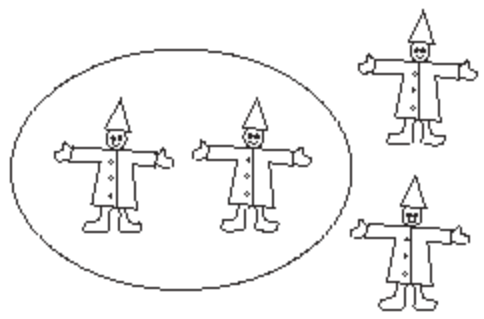

**4** Practise subtraction.

| | | | |
|---|---|---|---|
| 1 – 0 = 1 | 2 – 0 = 2 | 3 – 0 = 3 | 4 – 0 = 4 |
| 1 – 1 = 0 | 2 – 1 = 1 | 3 – 1 = 2 | 4 – 1 = 3 |
| | 2 – 2 = 0 | 3 – 2 = 1 | 4 – 2 = 2 |
| | | 3 – 3 = 0 | 4 – 3 = 1 |
| | | | 4 – 4 = 0 |

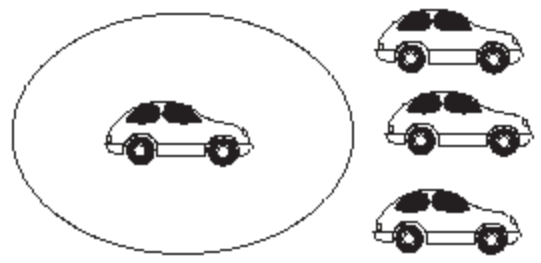
**1** Write additions and subtractions for each picture.



| | | | | |
|---|---|---|---|---|
| 3 | + | 1 | = | 4 |
| 1 | + | 3 | = | 4 |
| 4 | - | 1 | = | 3 |
| 4 | - | 3 | = | 1 |



| | | | | |
|---|---|---|---|---|
| 2 | + | 2 | = | 4 |
| 4 | - | 2 | = | 2 |
| | | | | |
| | | | | |



| | | | | |
|---|---|---|---|---|
| 1 | + | 3 | = | 4 |
| 3 | + | 1 | = | 4 |
| 4 | - | 1 | = | 3 |
| 4 | - | 3 | = | 1 |

**2** Fill in the missing numbers.

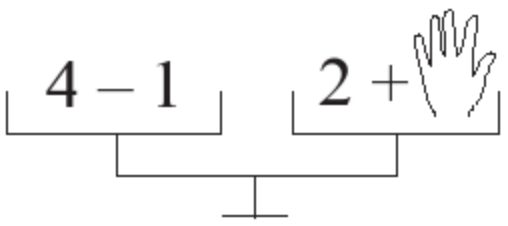
$1 + 4 = \boxed{5}$ $\quad$ $4 - 1 = \boxed{3}$

$3 + \boxed{1} = 4$ $\quad$ $4 - \boxed{1} = 3$

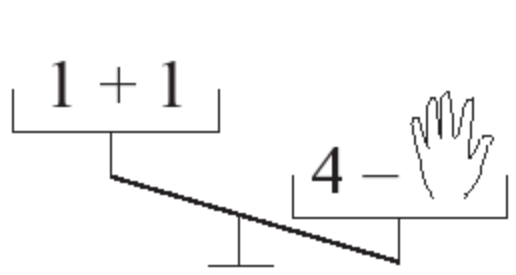
$\boxed{2} + 2 = 4$ $\quad$ $\boxed{4} - 2 = 2$

$4 + \boxed{0} = 4$ $\quad$ $\boxed{4} - 0 = 4$

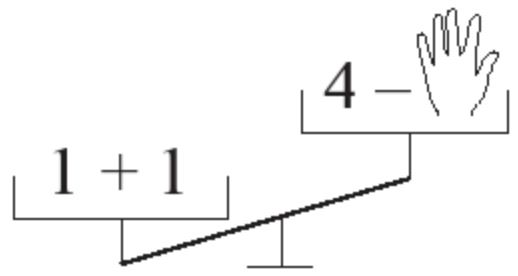
**3** Which number is covered up?




$\square = \boxed{1}$




$\square = \boxed{1}$ or 0




$\square = \boxed{3}$ or 4

**4** Solve:

$1 + 2 + 1 = \boxed{4}$ $\quad$ $4 - 1 - 1 = \boxed{2}$ $\quad$ $1 + 3 - 2 = \boxed{2}$

$1 + 1 + 1 = \boxed{3}$ $\quad$ $4 - 2 - 1 = \boxed{1}$ $\quad$ $4 - 3 + 2 = \boxed{3}$

**1** Fill in the missing numbers.

| 4 | 0 | 3 | 4 | 2 | 1 | 2 | 1 | 3 | 0 | 4 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 1 | 0 | 2 | 3 | 2 | 3 | 1 | 4 | 0 | |

**2** Write the numbers 0, 1, 2, 3 and 4 in the boxes.

[4] > [3] > [2] > [1] > [0]

**3** Complete the table.

| A | 1 | 3 | 2 | 0 | 1 | 2 | 1 | 2 | 0 | 4 | 1 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B | 2 | 1 | 2 | 1 | 3 | 1 | 1 | 2 | 3 | 0 | 3 | 1 | 0 | 2 |
| A + B | 3 | 4 | 4 | 1 | 4 | 3 | 2 | 4 | 3 | 4 | 4 | 4 | 2 | 3 |

**4** Complete the table.

| | | | | | | * | | | | * | | | * | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 2 | 2 | 2 | 4 | 4 |
| B | 2 | 1 | 2 | 4 | 1 | 3 | 2 | 3 | 1 | 2 | 0 | 2 | 2 | 0 |
| A – B | 1 | 2 | 2 | 0 | 2 | 1 | 1 | 1 | 3 | 0 | 2 | 0 | 2 | 4 |

* Possible answer

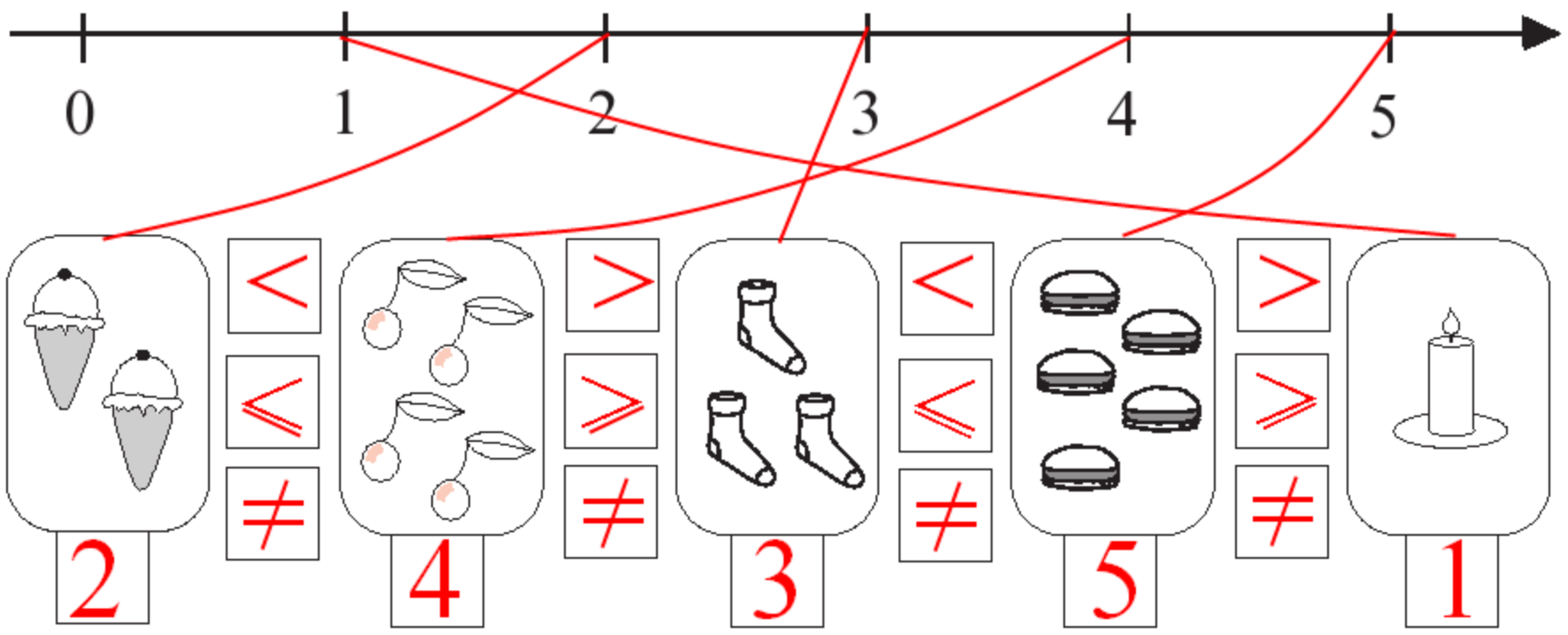
**5** Continue the patterns.

| 0 0 | | 0 0 | | | | 0 0 | | | | | | 0 0 | | | | | | 0 0

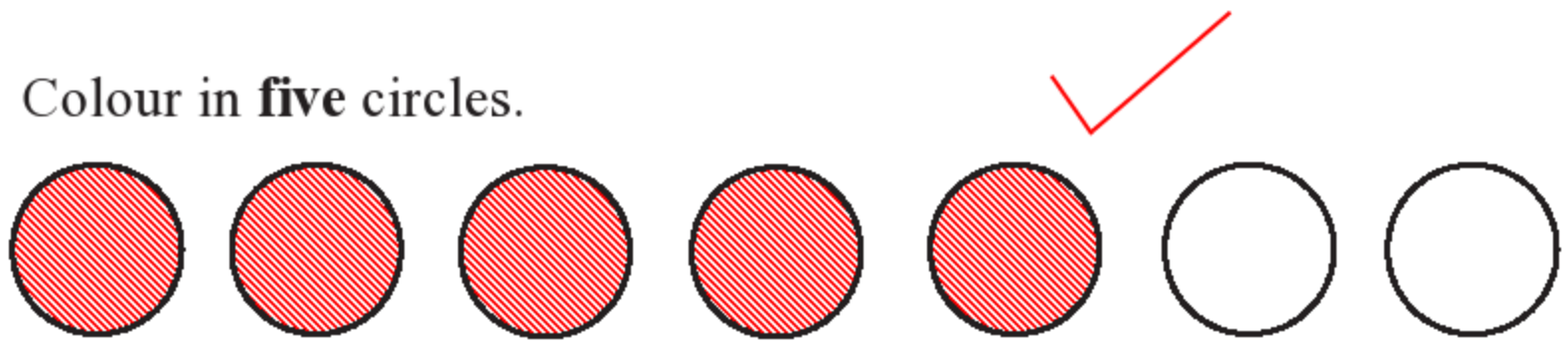
| 0 | 0 0 | 0 0 0 | 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 0 | 0 0 0 0 0 0 0

**1** Continue the pattern.

**2** Write the correct numbers and signs in the boxes.
Join the pictures to the number line.




**3** (a) Colour in **five** circles.

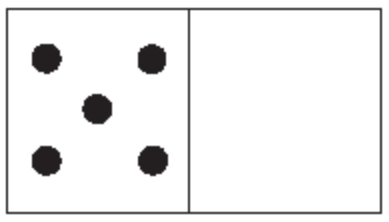


(b) Tick the fifth circle from the left.
What is its position from the right? Third

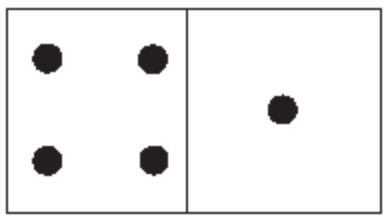
**4** Show the sums with sticks.

| + |||| = ||||  || + || = ||||  || + ||| = |||||

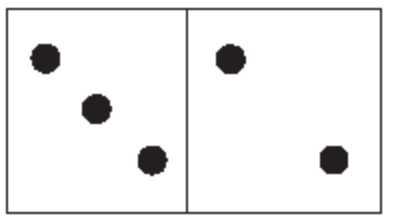
**1** Write an addition for each domino.



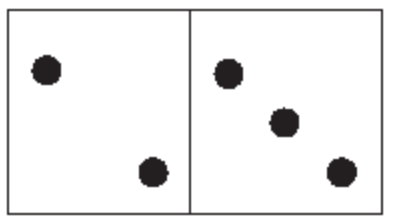
$5 + 0 = 5$



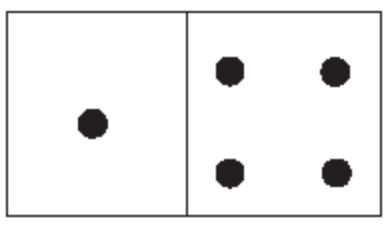
$4 + 1 = 5$



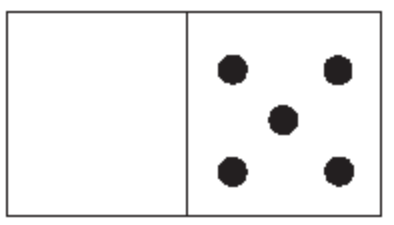
$3 + 2 = 5$



$2 + 3 = 5$



$1 + 4 = 5$



$0 + 5 = 5$

**2** Write additions to make 5.


$1 + 4$


$2 + 3$


$5 + 0$


$3 + 2$


$4 + 1$


$0 + 5$

**3** Practise addition.

$0 + 0 = 0$

$0 + 1 = 1$

$0 + 2 = 2$

$0 + 3 = 3$

$0 + 4 = 4$

$0 + 5 = 5$

$1 + 1 = 2$

$1 + 2 = 3$

$1 + 3 = 4$

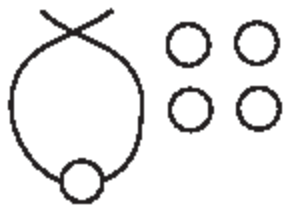
$1 + 4 = 5$

$2 + 2 = 4$

$2 + 3 = 5$

**1** Write a subtraction for each picture.

5 - 3 = 2

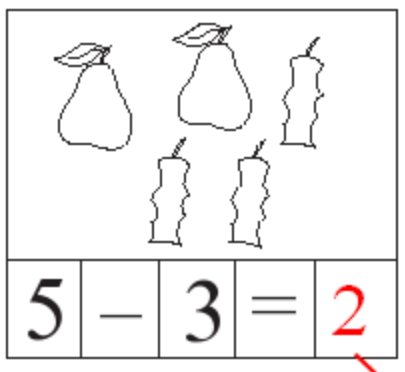


5 - 4 = 1

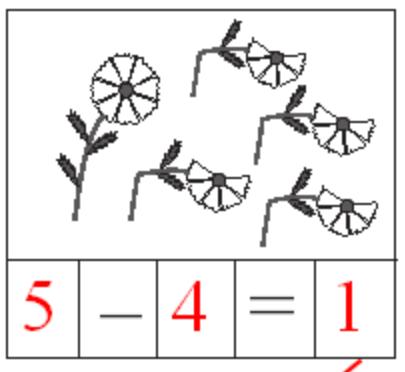
5 - 1 = 4

5 - 2 = 3

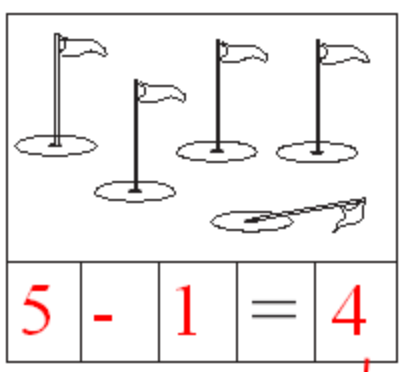
**2** Write a subtraction for each picture and join to the number line.



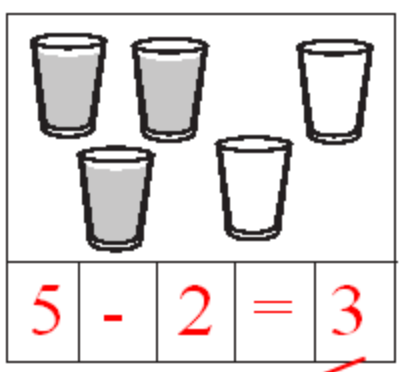
5 – 3 = 2



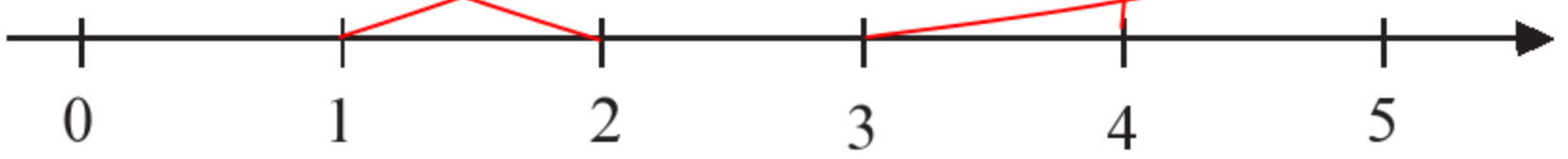
5 – 4 = 1



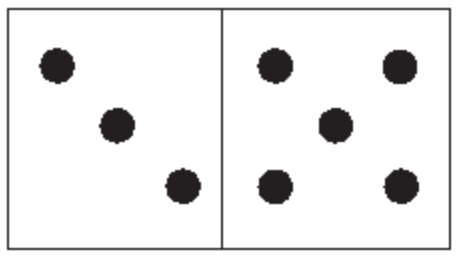
5 - 1 = 4



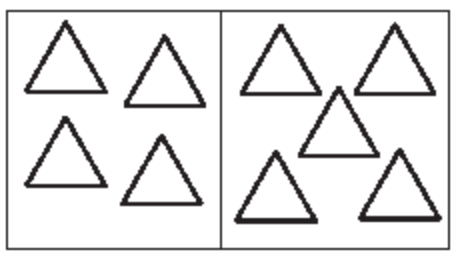
5 - 2 = 3



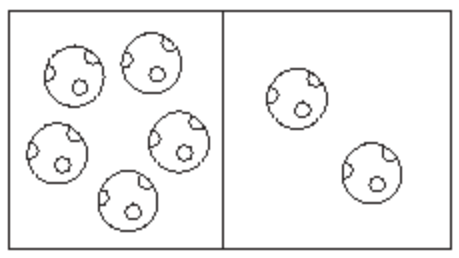

**3** Compare the two sides of the domino and write it down in different ways.



| | | | | |
|---|---|---|---|---|
| 3 | < (2) | 5 | | |
| 5 | > (2) | 3 | | |
| 3 | + | 2 | = | 5 |
| 5 | – | 2 | = | 3 |



| | | | | |
|---|---|---|---|---|
| 4 | < (1) | 5 | | |
| 5 | > (1) | 4 | | |
| 4 | + | 5 | = | 9 |
| 9 | - | 5 | = | 4 |

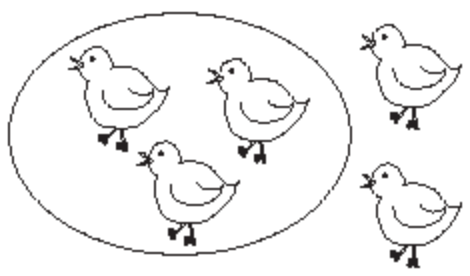


| | | | | |
|---|---|---|---|---|
| 5 | > (3) | 2 | | |
| 2 | < (3) | 5 | | |
| 5 | + | 2 | = | 7 |
| 7 | - | 2 | = | 5 |

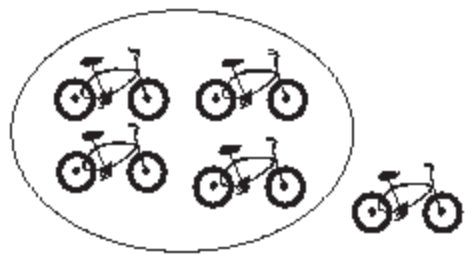
**4** Write the numbers 0 to 5 in the **large** boxes in increasing order.
Write signs in the **small** boxes **between** the numbers.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | < | 1 | < | 2 | < | 3 | < | 4 | < | 5 | |

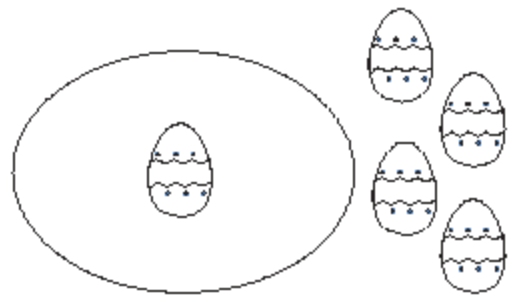
**1** Write additions and subtractions for each picture.



| | | | | |
|---|---|---|---|---|
| 3 | + | 2 | = | 5 |
| 5 | - | 2 | = | 3 |
| 5 | - | 3 | = | 2 |

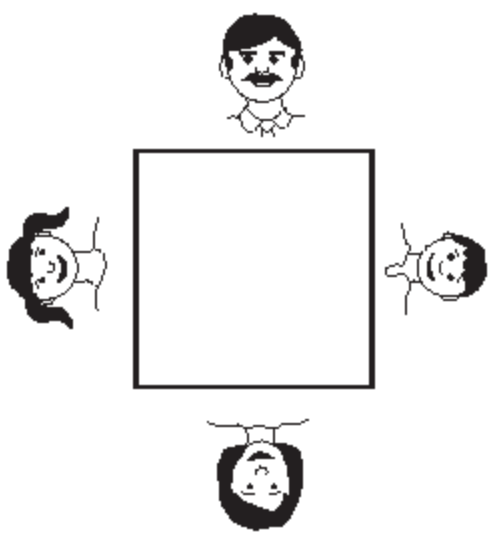


| | | | | |
|---|---|---|---|---|
| 4 | + | 1 | = | 5 |
| 5 | - | 1 | = | 4 |
| 5 | - | 4 | = | 1 |



| | | | | |
|---|---|---|---|---|
| 1 | + | 4 | = | 5 |
| 5 | - | 4 | = | 1 |
| 5 | - | 1 | = | 4 |

**2** Mum, Dad, Suzy and Bob are sitting at the table.

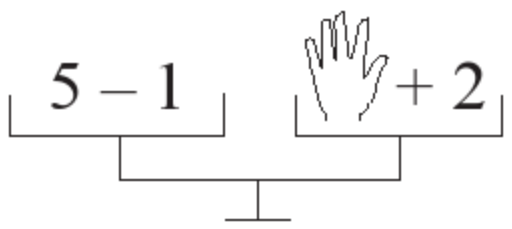


Who is on the right of Bob? Dad

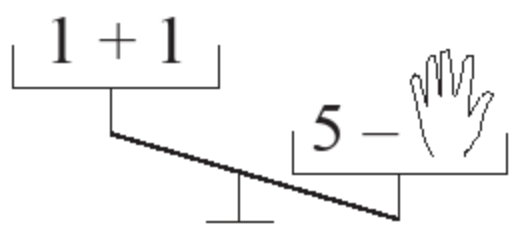
Who is on the left of Mum? Suzy

On which side of Suzy is Mum sitting? Right

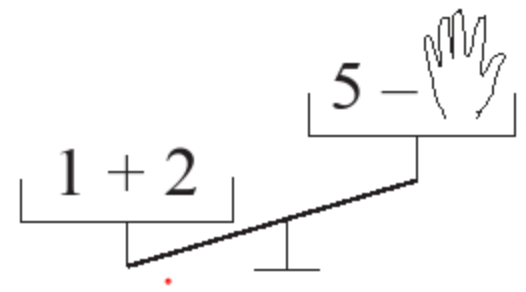
**3** Which numbers are covered up? Write a statement about each balance.



5 – 1 = 2 + 2



1 + 1 < 5 – 2



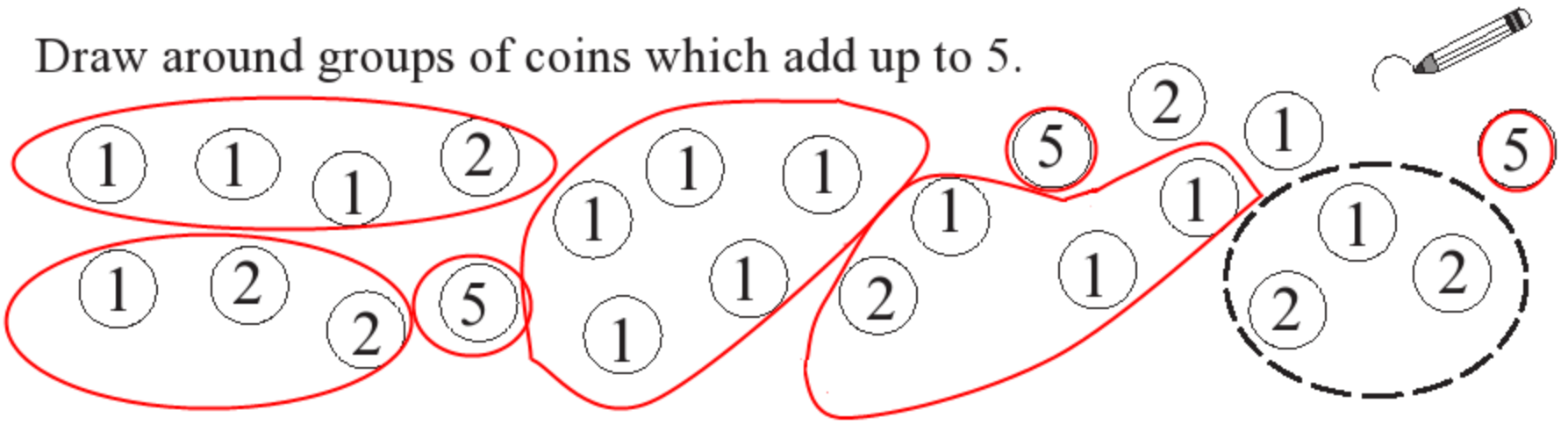
1 + 2 > 5 – 3

: 3

: 2 or 1 or 2

: 3 4 or 5

**4** Draw around groups of coins which add up to 5.



**1** Copy out each set of numbers.

(a) 3 4 5

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3 | 4 | 5 | 3 | 4 | 5 | 3 | 4 | 5 |

(b) 5 4 3

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | 4 | 3 | 5 | 4 | 3 | 5 | 4 | 3 |

(d) 0 2 4

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | 2 | 4 | 0 | 2 | 4 | 0 | 2 | 4 |

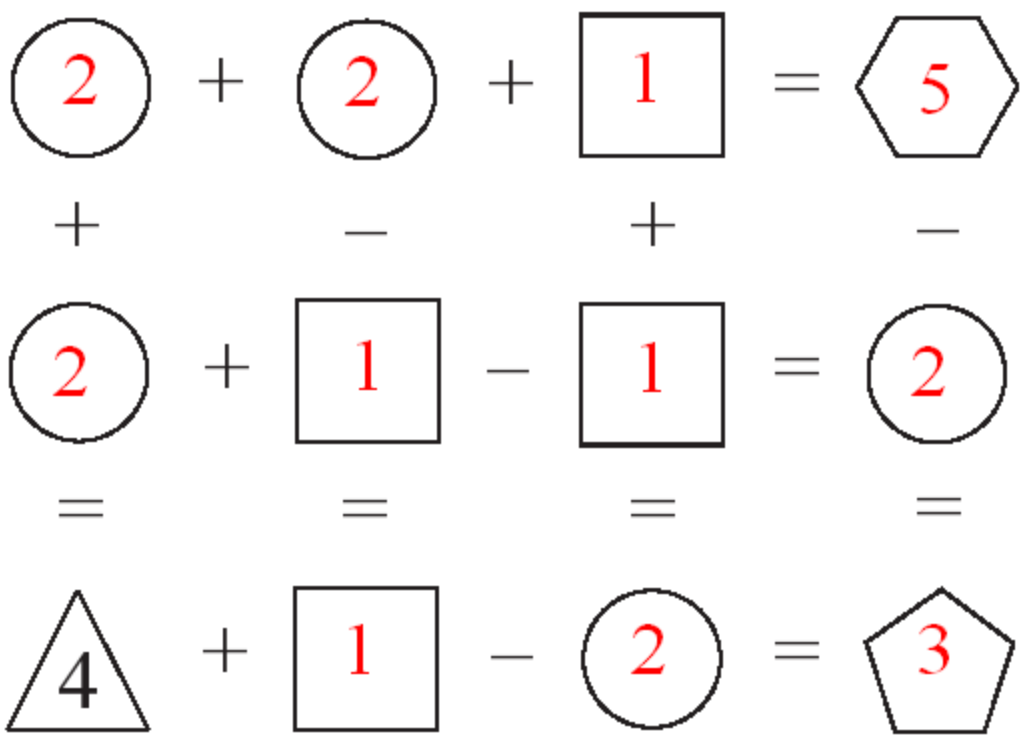
(e) 1 3 5

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 5 | 1 | 3 | 5 | 1 | 3 | 5 |

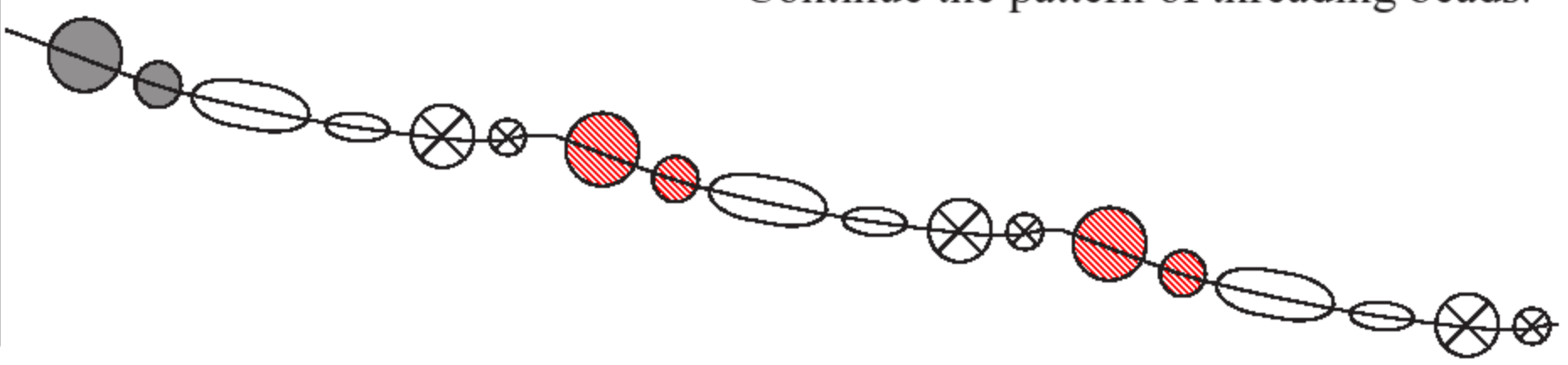
**2** Fill in the missing numbers.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 0 | 3 | 1 | 2 | 1 | 2 | 5 | 4 | 5 | 1 |
| | 5 | 2 | 4 | 3 | 4 | 3 | 0 | 1 | 0 | 4 |

**3** Solve the puzzle. The same shape stands for the same number. (1, 2, 3, 4 or 5)



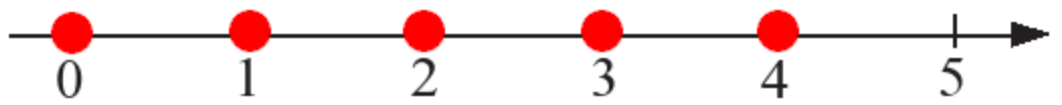

**4** Continue the pattern of threading beads.



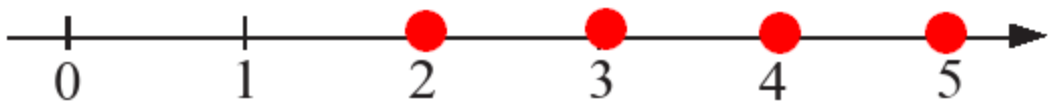
**1** Which numbers could be hidden under the cards? (0, 1, 2, 3, 4, 5 )

For example: $\boxtimes \leq 3$ gives $\boxtimes$ : 0, 1, 2, 3

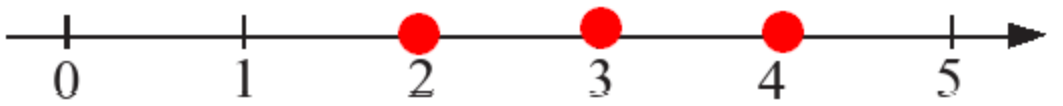

(a) $\boxtimes < 5$ $\boxtimes$ : 4, 3, 2, 1, 0



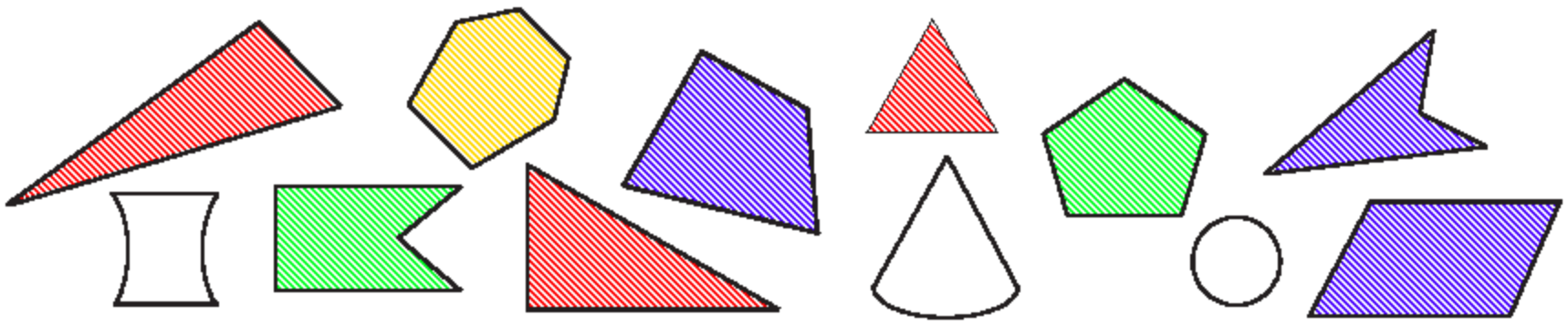

(b) $\boxtimes \geq 2$ $\boxtimes$ : 2, 3, 4, 5




(c) $2 \leq \boxtimes < 5$ $\boxtimes$ : 2, 3, 4




**2** Colour the **triangles** Red, the **quadrilaterals** Blue, the **pentagons** Green and the **hexagons** Yellow.



**3** How many different results can be found? Use + or – signs.

a) $2 \boxed{+} 2 \boxed{+} 1 = \boxed{5}$

$2 \boxed{+} 2 \boxed{-} 1 = \boxed{3}$

$2 \boxed{-} 2 \boxed{+} 1 = \boxed{1}$

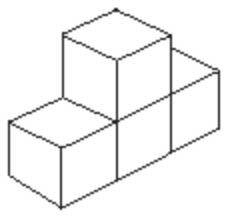
b) $3 \boxed{+} 2 \boxed{+} 1 = \boxed{6}$

$3 \boxed{+} 2 \boxed{-} 1 = \boxed{4}$

$3 \boxed{-} 2 \boxed{+} 1 = \boxed{2}$

$3 \boxed{-} 2 \boxed{-} 1 = \boxed{0}$

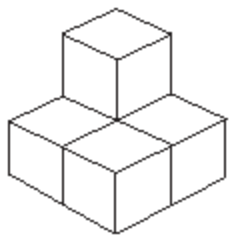
**1** Build these solids from unit cubes.

(a) 

can be shown as

| | | |
|---|---|---|
| 1 | 2 | 1 |

How many cubes are in the first layer? 3

(b) 

can be shown as

| | |
|---|---|
| 1 | 2 |
| 1 | 1 |

How many cubes are in the first layer? 4

**2** Solve:

| | | | |
|---|---|---|---|
| 1 + 1 = 2 | 1 – 1 = 0 | 0 + 0 = 0 | 4 – 2 = 2 |
| 3 + 1 = 4 | 3 – 1 = 2 | 4 + 1 = 5 | 3 – 0 = 3 |
| 2 + 3 = 5 | 3 – 2 = 1 | 2 + 0 = 2 | 5 – 1 = 4 |
| 1 + 4 = 5 | 4 – 1 = 3 | 0 + 3 = 3 | 5 – 4 = 1 |
| 2 + 1 = 3 | 5 – 3 = 2 | 1 + 3 = 4 | 5 – 0 = 5 |

**3** Write the next nearest numbers in the boxes.

2 < 3 < 4 0 < 1 < 2 3 < 4 < 5

**4** Fill in the boxes with numbers from 0, 1, 2, 3, 4, 5.

a) 4 > 0, 1, 2, 3 b) 2 < 3, 4, 5

c) 0, 1, 2, 3, 4, 5 ≤ 5

d) 3 ≤ 3, 4, 5

**1**

Fill in the missing numbers.

$3 + 1 = \boxed{4}$ $\quad 1 + 1 + 1 = \boxed{3}$ $\quad 2 + 3 = \boxed{4} + 1$

$5 - 2 = \boxed{3}$ $\quad 2 + 2 + 1 = \boxed{5}$ $\quad 2 + 1 = \boxed{4} - 1$

$2 + \boxed{1} = 3$ $\quad 0 + 4 + 1 = \boxed{5}$ $\quad 5 - 2 = 4 - \boxed{1}$

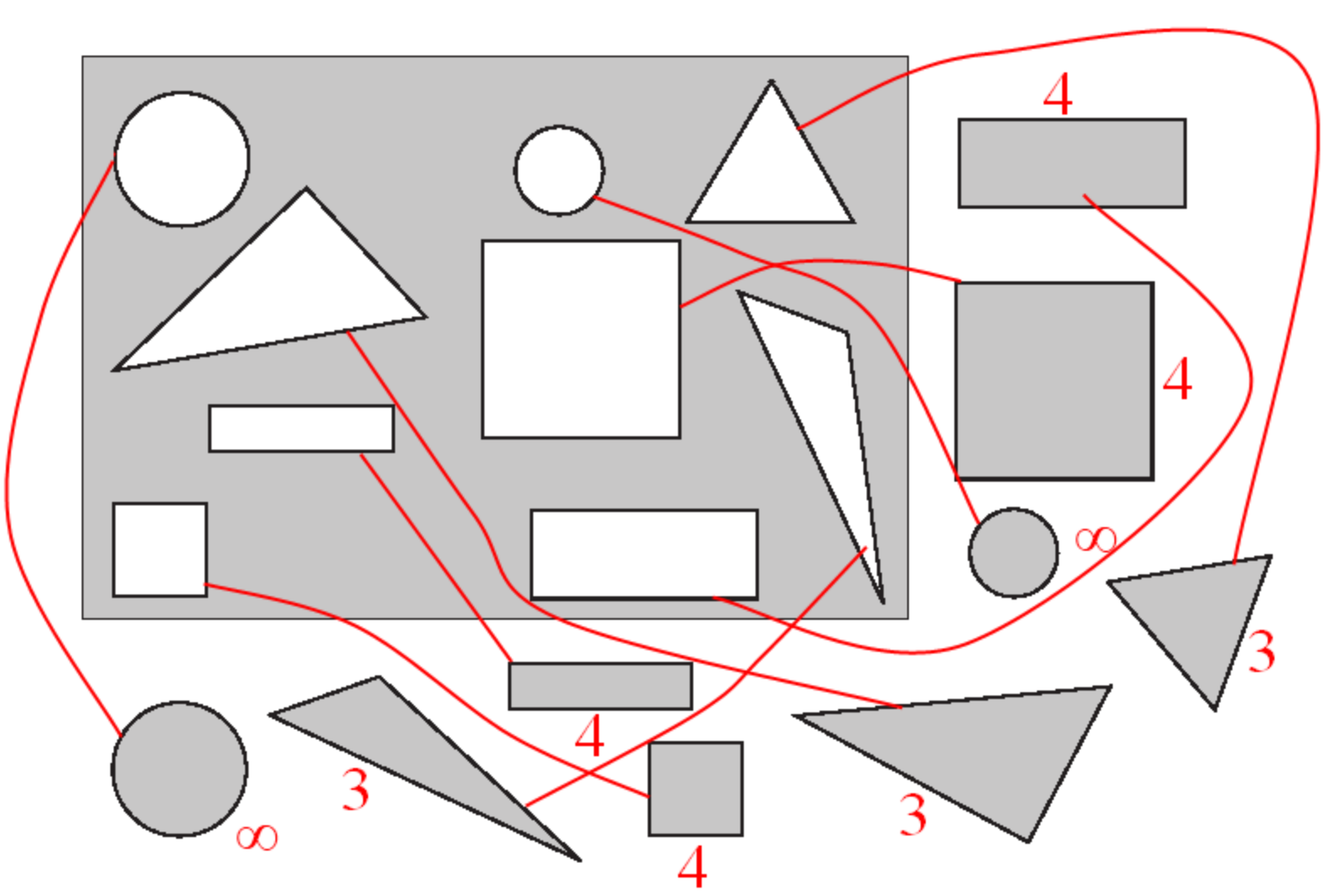
$5 - \boxed{4} = 1$ $\quad 5 - 2 - 3 = \boxed{0}$ $\quad 5 - 1 = 2 + \boxed{2}$

$\boxed{0} + 4 = 4$ $\quad 4 - 1 - 2 = \boxed{1}$ $\quad 5 - 0 = \boxed{5} + 0$

$\boxed{4} - 2 = 2$ $\quad 3 - 2 + 2 = \boxed{3}$ $\quad 4 - \boxed{2} = 3 - \boxed{1}$

**2**

Different shapes have been cut from grey paper. Show with arrows where they come from.




Write the number of sides next to each polygon.

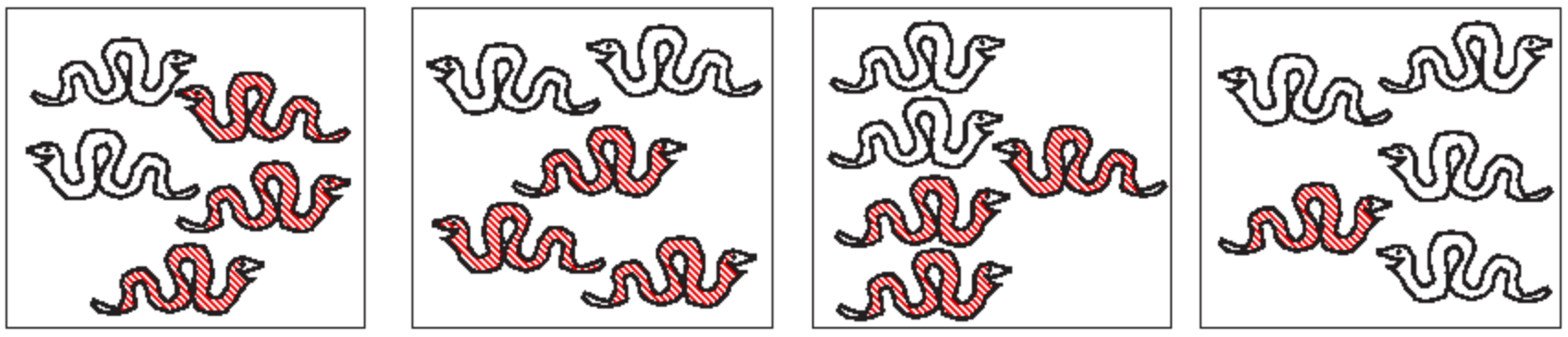
**3**

Fill in the missing numbers.

$\boxed{1} \underset{-2}{\overset{+2}{\rightleftarrows}} \boxed{3} \underset{+1}{\overset{-1}{\rightleftarrows}} \boxed{2} \underset{-2}{\overset{+2}{\rightleftarrows}} \boxed{4} \underset{+3}{\overset{-3}{\rightleftarrows}} \boxed{1}$

**1**

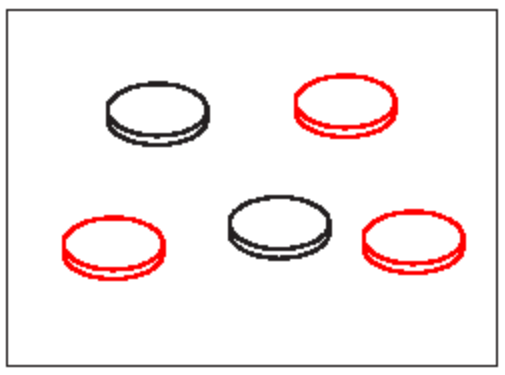
Colour in as many snakes as make the inequality true.



$1 <_{2} \square$ $\quad 5 \overset{2}{>} 3$ $\quad 3 \overset{1}{>} 2$ $\quad 1 <_{3} 4$

**2**

Complete the picture so that there are 5 coins.



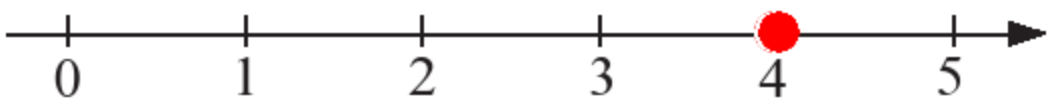
| | | | | |
|---|---|---|---|---|
| 2 | + | 3 | = | 5 |
| 3 | + | 2 | = | 5 |
| 5 | - | 2 | = | 5 |
| 5 | - | 3 | = | 2 |

Write this sum in different ways.

**3**

Which numbers could be hidden under the cards? ( 0, 1, 2, 3, 4, 5 )
Show your answers on the number line.

$4 = \boxtimes$




$\boxtimes < 4$


$3 < \boxtimes$


**4**

Fill in the missing numbers.

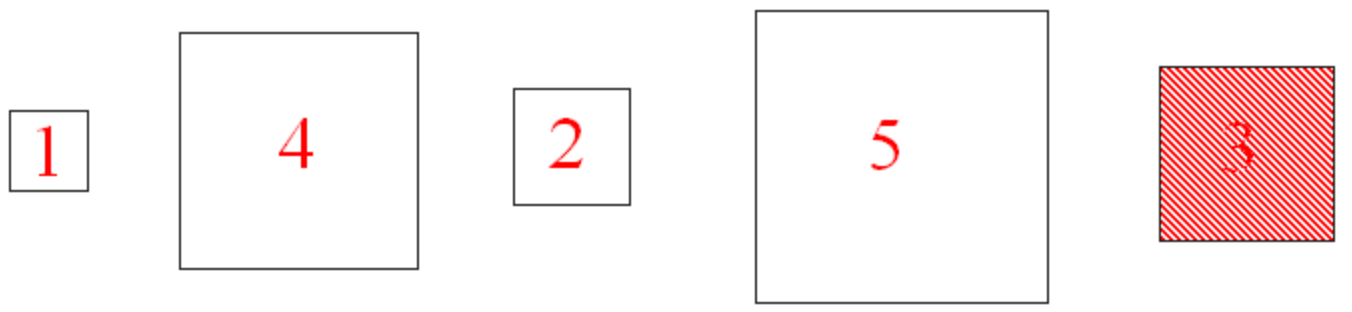
$3 + 0 = \boxed{3}$ $\quad 5 - 2 = \boxed{3}$ $\quad 1 + \boxed{3} = 4$

$4 + 1 = \boxed{5}$ $\quad 4 - 4 = \boxed{0}$ $\quad 4 - \boxed{2} = 2$

$2 + 3 = \boxed{5}$ $\quad 3 - 0 = \boxed{3}$ $\quad \boxed{5} - 4 = 1$

**1**

Number these squares in **increasing** order of size.




Colour in the third largest square.

**2**

Fill in the boxes with numbers from 0, 1, 2, 3, 4 and 5 .

$2 + 1 < \square$ 4 or 5 $\qquad 4 + 1 > \boxed{2} + \boxed{2}$

**3**

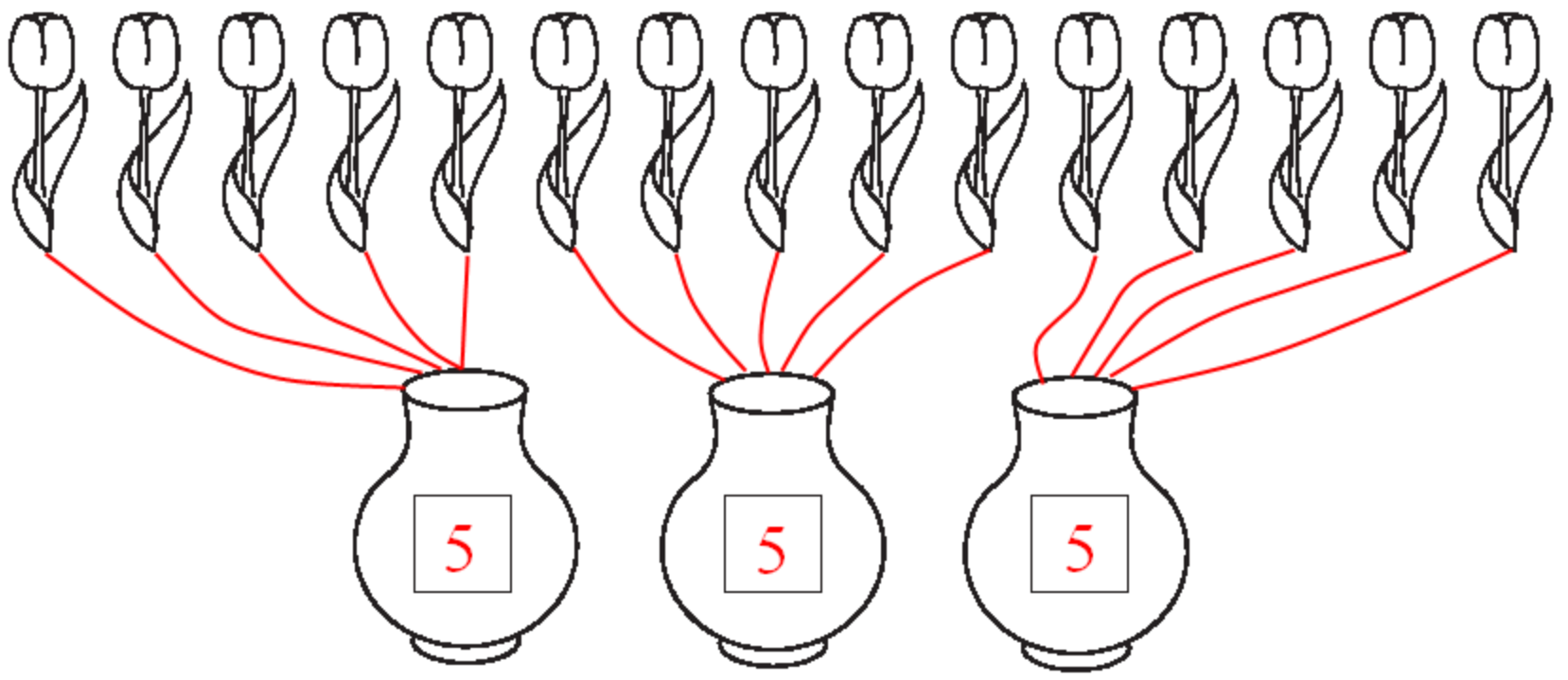
Fill in the missing numbers.

$4 - 3 <_{3} \boxed{4} \qquad \boxed{4} >_{2} 4 - 2 \qquad 1 + 2 <_{2} \boxed{3} + 2$

$2 + 1 >_{1} \boxed{2} \qquad \boxed{0} <_{3} 5 - 2 \qquad 1 + \boxed{3} >_{1} 5 - 2$

**4**

Put the same number of tulips into each vase.




Write the number in each vase.