Spring

Maths Activity Booklet

Name: _____

These are the calculation methods we are using in Year 2. It would be very useful if children could practise these at home whenever possible. Thank you.

addition (no carrying/bridging needed)

23 + 14 = 37

20 + 3
+ 10 + 4
30 + 7

addition (bridging/carrying needed)

25 + 27 = 52

20 + 5
+ 20 + 7
50 + 12

12 so 2 goes in ones column ten goes in tens

50 + 2
10

Subtraction (no carrying/bridging needed)

34 − 12 = 22

30 + 4
− 10 + 2
20 + 2

subtraction (bridging/carrying needed)

32 − 14 = 18

2 0
3 0 + 12
− 1 0 + 4
1 0 + 8

(Can't do this so we take 10 from 30 to leave 20)

Multiplication (arrays)

3 × 4 = 12

→ 3

○	○	○
○	○	○
○	○	○
○	○	○

4

Division

12 ÷ 3 = 4

1 1 1 1	1 1 1 1	1 1 1 1

3
6
9
12

(We also encourage children to count in 2, 3, 5 and 10 for this.)

Addition

(No bridging)

43 + 12 =

56 + 21 =

31 + 38 =

Addition

(Bridging)

43 + 29 =

59 + 35 =

37 + 16 =

Subtraction

(No bridging)

35 - 12 =

43 - 11 =

56 - 24 =

Subtraction

(Bridging)

53 − 25 =

42 − 16 =

74 − 47 =

2 Times Table Multiplication and Division Challenge

14 ÷ 2 =	2 ÷ 2 =	60 ÷ 2 =	9 × 2 =	4 ÷ 2 =
44 ÷ 2 =	2 × 2 =	12 ÷ 2 =	6 ÷ 2 =	20 ÷ 2 =
76 ÷ 2 =	18 ÷ 2 =	10 × 2 =	6 × 2 =	76 ÷ 2 =
12 ÷ 2 =	56 ÷ 2 =	16 ÷ 2 =	11 × 2 =	10 ÷ 2 =
8 × 2 =	7 × 2 =	12 × 2 =	6 ÷ 2 =	42 ÷ 2 =
68 ÷ 2 =	48 ÷2 =	68 ÷ 2 =	76 ÷ 2 =	54 ÷ 2 =
3 × 2 =	66 ÷ 2 =	5 × 2 =	18 ÷ 2 =	1 × 2 =
4 × 2 =	32 ÷ 2 =	72 ÷ 2 =	22 ÷ 2 =	46 ÷ 2 =

5 Times Table Multiplication and Division Challenge

50 ÷ 5 =	8 × 5 =	25 ÷ 5 =	5 × 6 =	5 ÷ 5 =
3 × 5 =	15 ÷ 5 =	5 × 1 =	60 ÷ 5 =	5 × 5 =
65 ÷ 5 =	5 × 0 =	90 ÷ 5 =	11 × 5 =	20 ÷ 5 =
7 × 5 =	30 ÷ 5 =	6 × 5 =	55 ÷ 5 =	5 × 9 =
4 × 5 =	95 ÷ 5 =	5 × 2 =	5 × 4 =	65 ÷ 5 =
15 ÷ 5 =	5 × 8 =	80 ÷ 5 =	5 × 7 =	75 ÷ 5 =
5 × 11 =	70 ÷ 5 =	9 × 5 =	65 ÷ 5 =	10 ÷ 5 =
85 ÷ 5 =	1 × 5 =	40 ÷ 5 =	9 × 5 =	3 × 5 =

10 Times Table Multiplication and Division Challenge

90 ÷ 10 =	0 × 10 =	3 × 10 =	10 × 11 =	5 × 10 =
10 × 1 =	20 ÷ 10 =	10 × 4 =	2 × 10 =	30 ÷ 10 =
12 × 10 =	10 × 5 =	5 × 10 =	10 × 9 =	4 × 10 =
11 × 10 =	10 × 10 =	60 ÷ 10 =	10 × 7 =	60 ÷ 10 =
10 × 2 =	8 × 10 =	9 × 10 =	40 ÷ 10 =	12 × 10 =
4 × 10 =	10 ÷ 1 =	7 × 10 =	10 × 0 =	6 × 10 =
10 × 1 =	10 × 8 =	70 ÷ 10 =	10 × 3 =	10 × 10 =
10 × 0 =	12 × 10 =	5 × 10 =	8 × 10 =	3 × 10 =

3 Times Table Activities

Count in 3s and colour in the grid:

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

Work out these answers:

a) 3 × 4 = _____

b) 3 × 3 = _____

c) 3 × 5 = _____

d) 3 × 2 = _____

e) 3 × 9 = _____

f) 3 × 6 = _____

g) 3 × 7 = _____

h) 3 × 1 = _____

i) 3 × 11 = _____

j) 3 × 8 = _____

k) 3 × 10 = _____

l) 3 × 12 = _____

How many pieces of fruit are there?

a)  _____ × _____ = _____

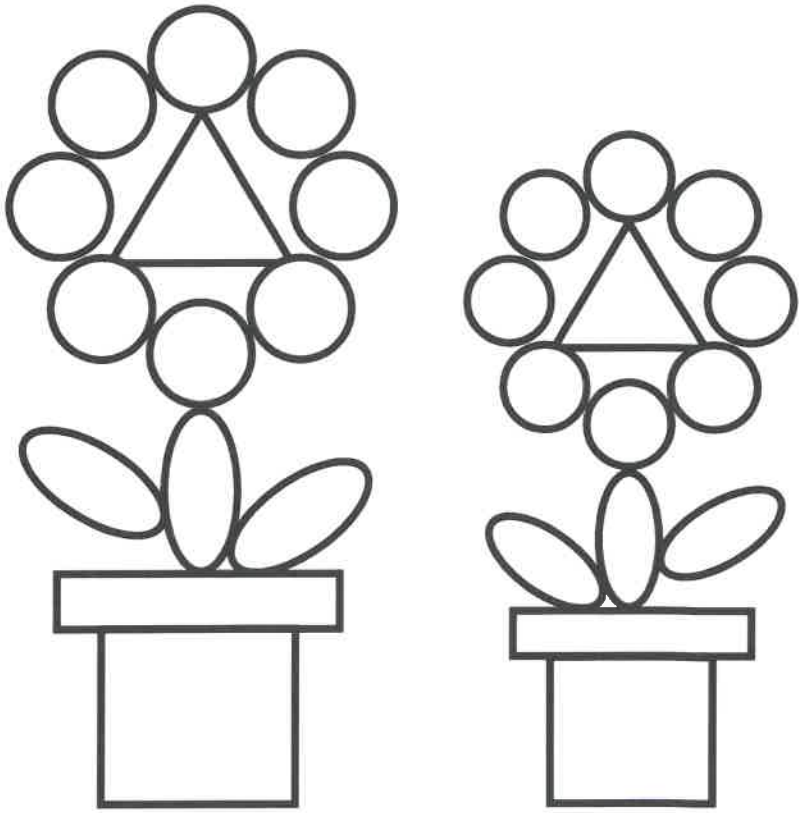
b)  _____ × _____ = _____

c)  _____ × _____ = _____

d)  _____ × _____ = _____

2D Shape Picture

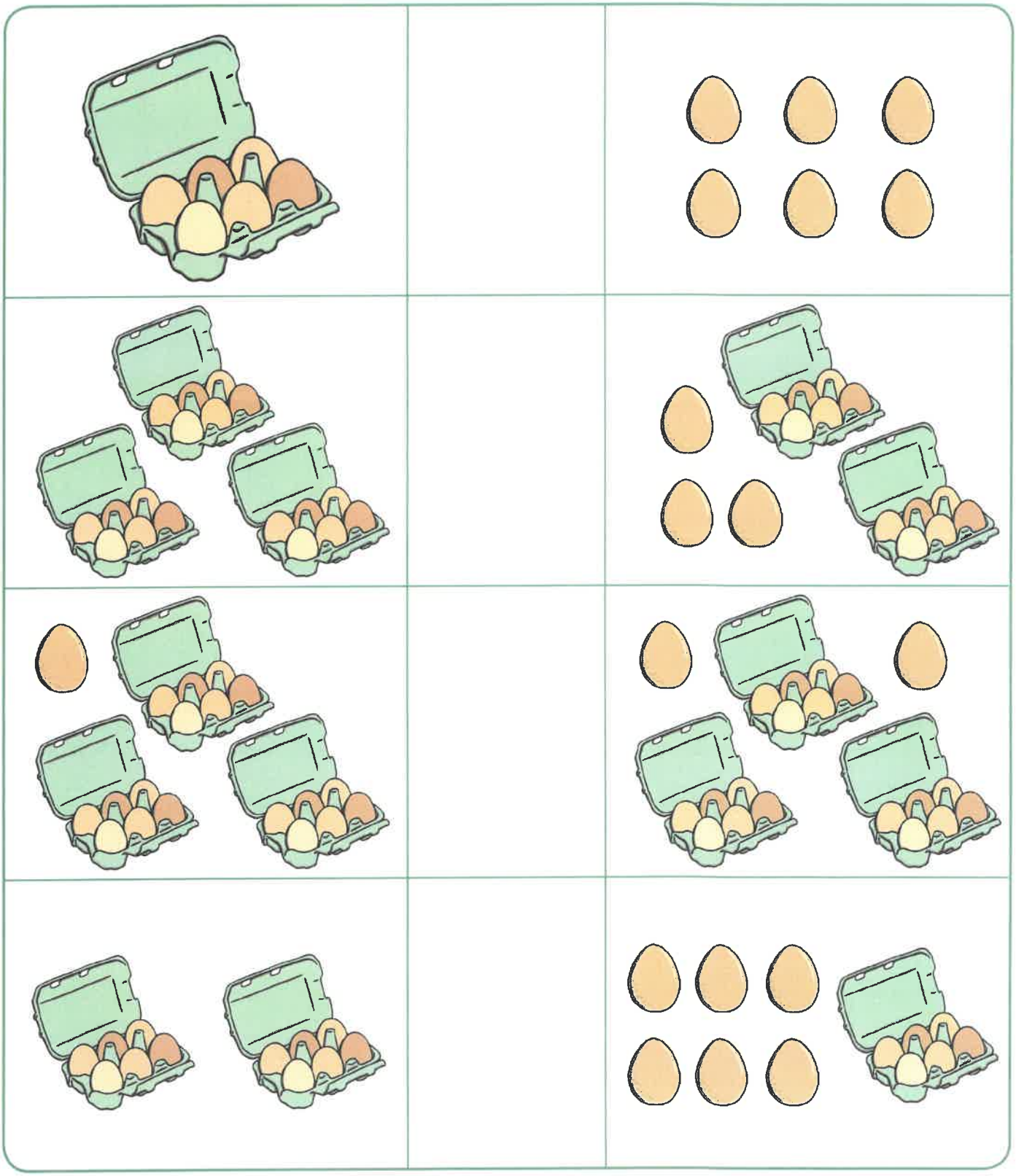
Write the shape properties and colour the 2D shapes hidden in this spring picture.



Shape	Name	Number of Sides	Number of Vertices	Colour
				Pink
				Yellow
				Brown
				Green

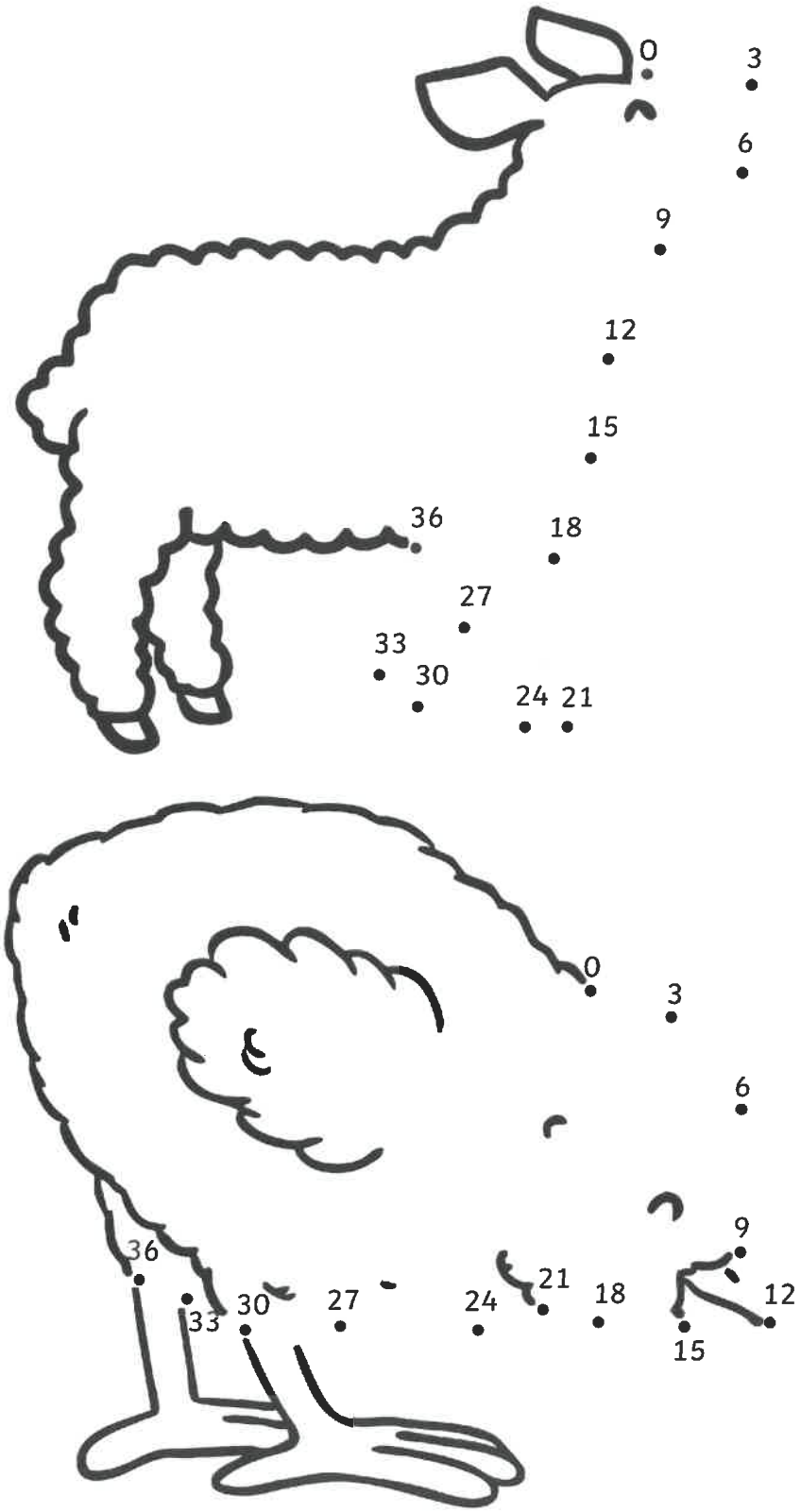
Comparing Numbers to 100

Use the >, < or = symbol to compare the number of eggs.



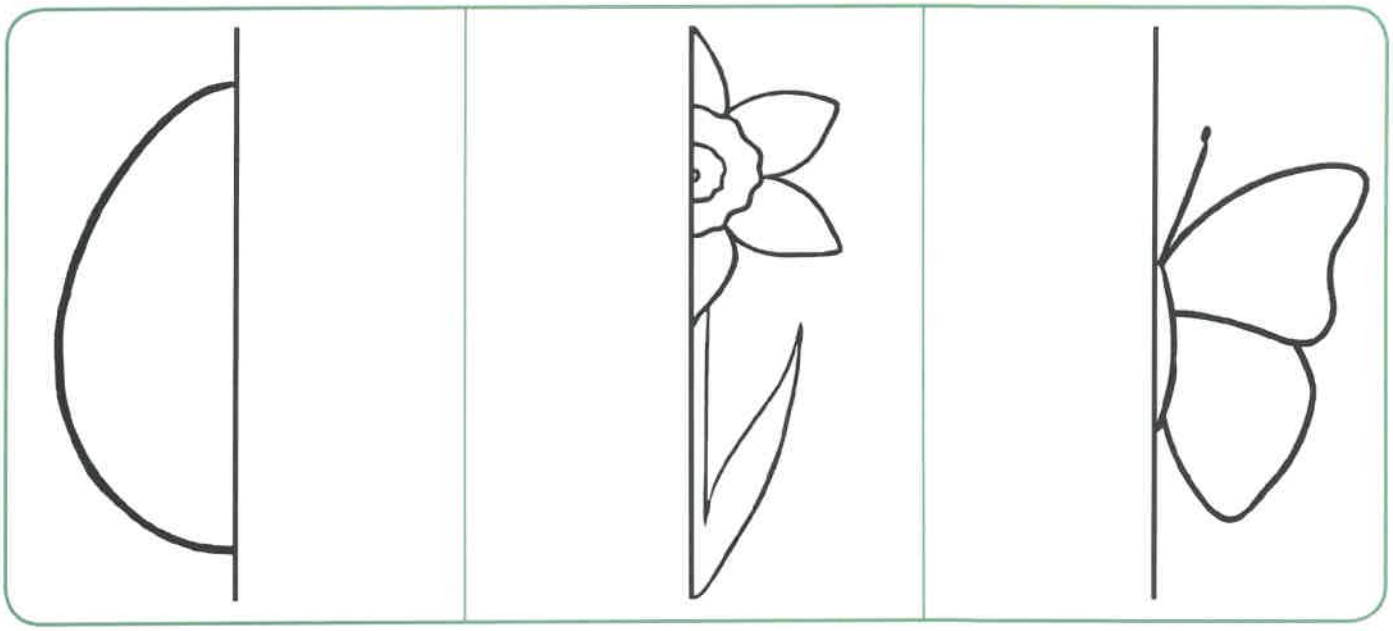
Count in 3s Dot to Dot

Join the dots to reveal the two spring pictures!

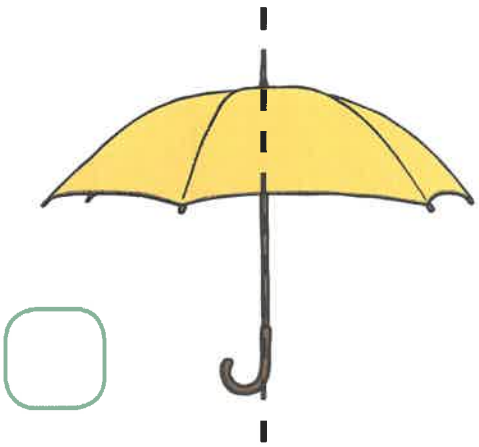


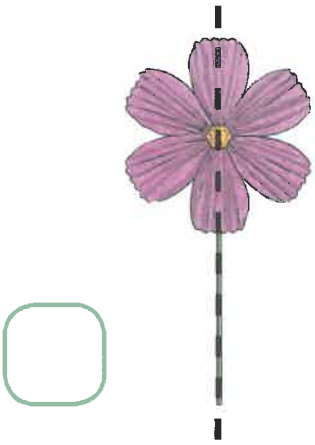
Spring Lines of Symmetry

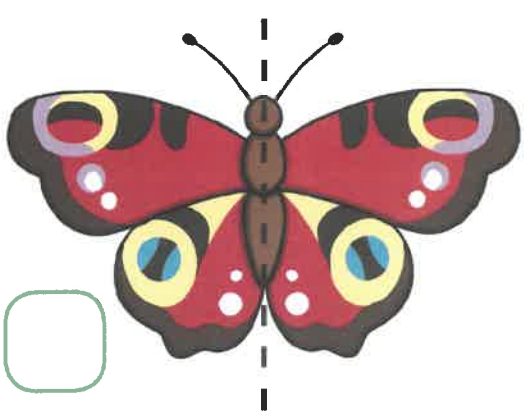
Complete the other halves of these spring pictures.

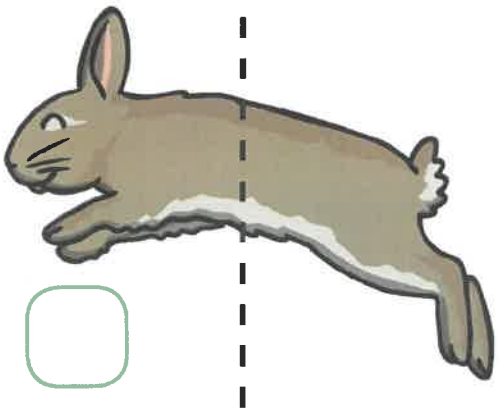


Are these lines of symmetry correct? Tick or cross.





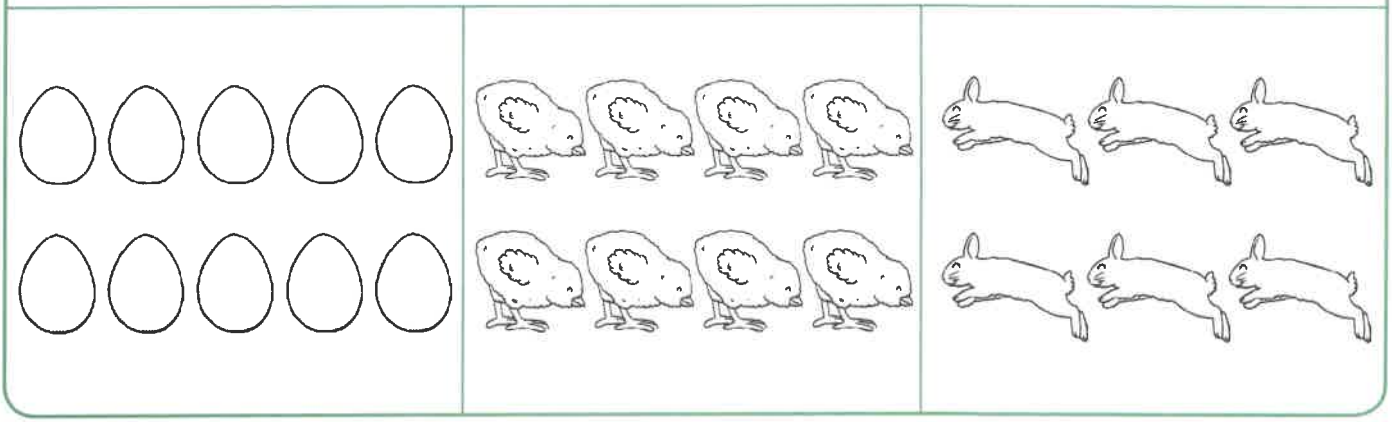




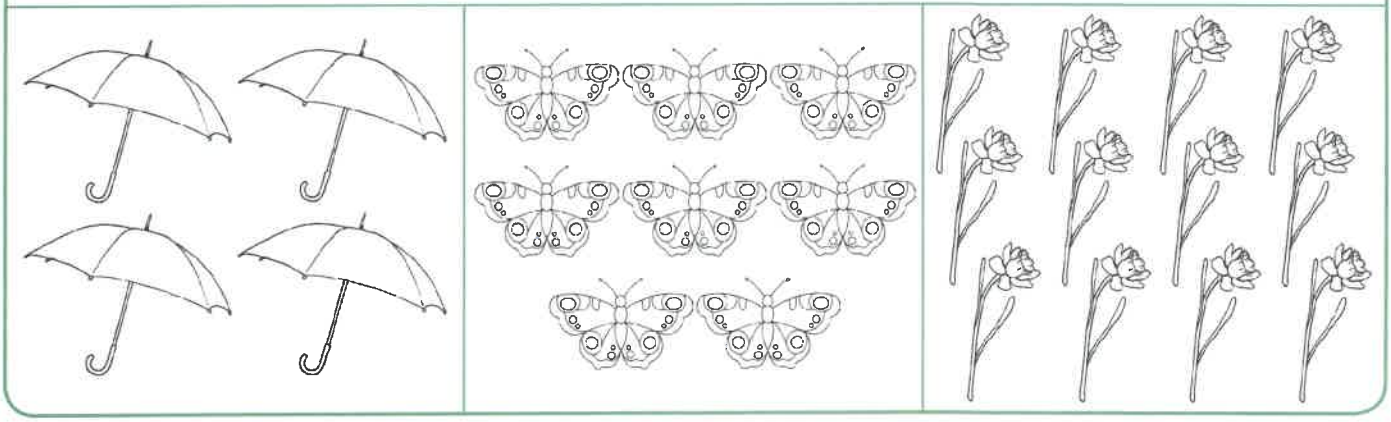
Spring Fractions

Colour the correct fractions of the spring pictures.

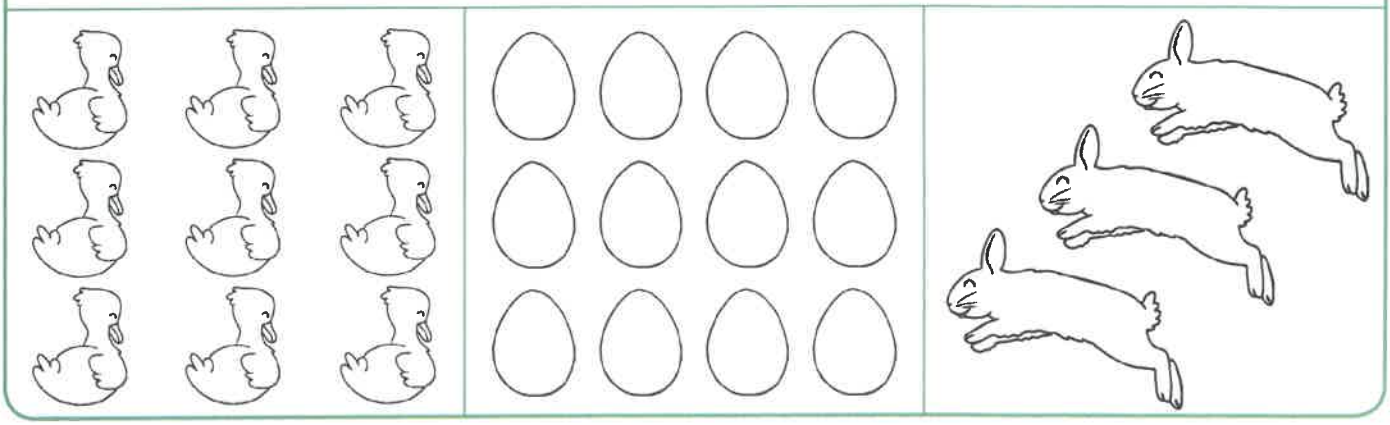
For each group of spring pictures, colour in $\frac{1}{2}$.



For each group of spring pictures, colour in $\frac{1}{4}$.

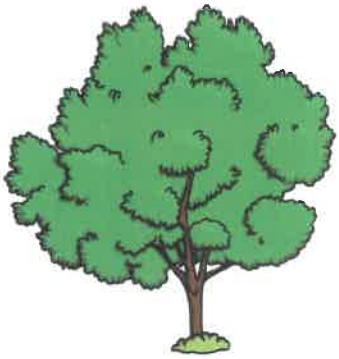
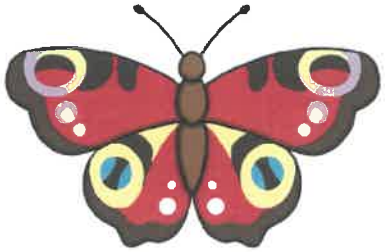
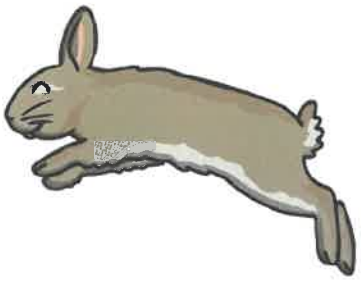
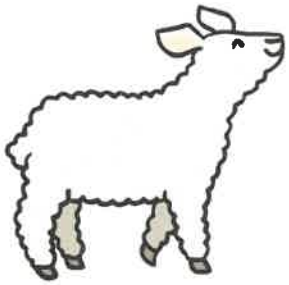
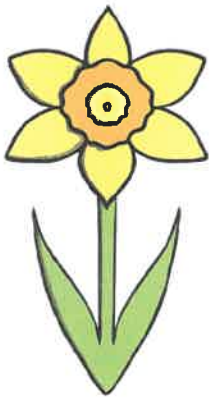
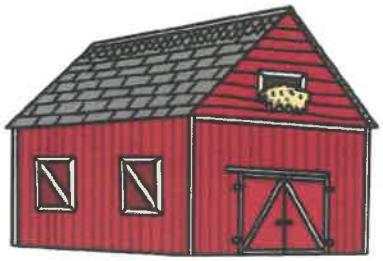


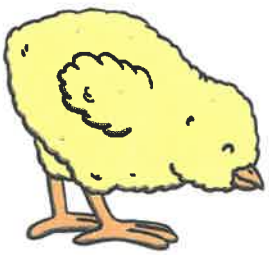
For each group of spring pictures, colour in $\frac{1}{3}$.



Measuring Length and Height

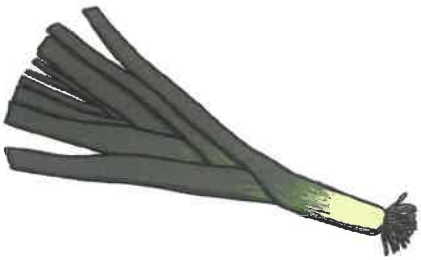
Circle the objects you would measure in centimetres. Tick the objects you would measure in metres.




Spring Shopping

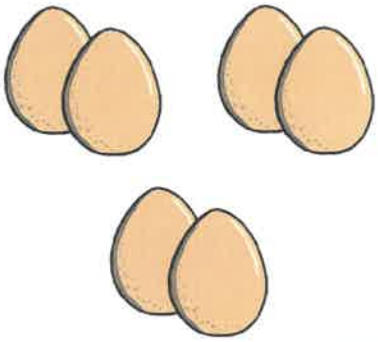
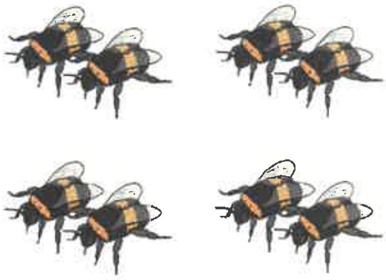
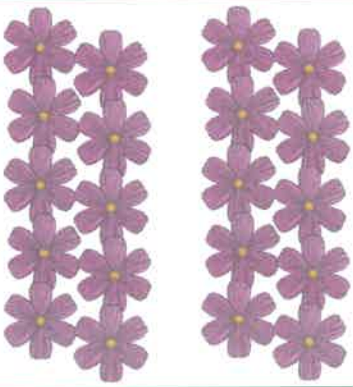
Work out how much change you would get if you bought these items.

You buy	You Pay	Change
£1.00 		
80p 		
20p 		
60p 		

Challenge: Which coins could you get for your change?

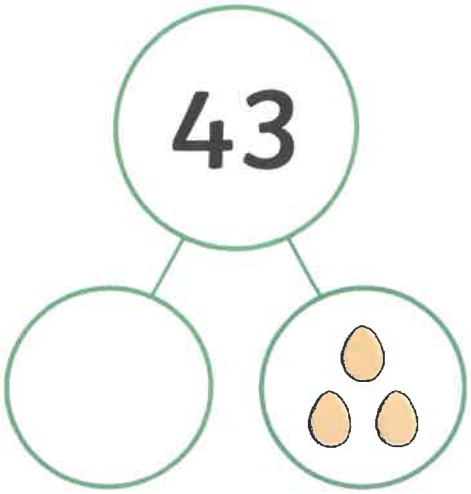
Spring Division by Grouping

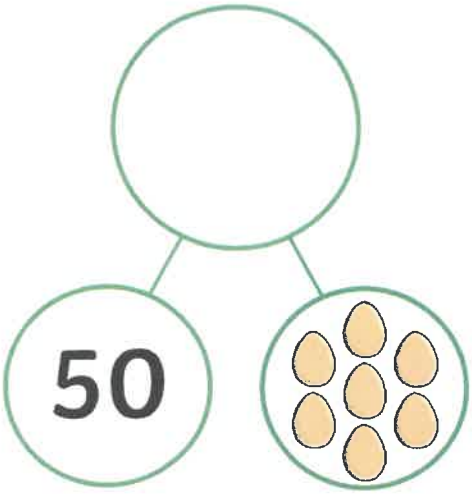
Use the spring pictures to complete the sentences and the calculations.

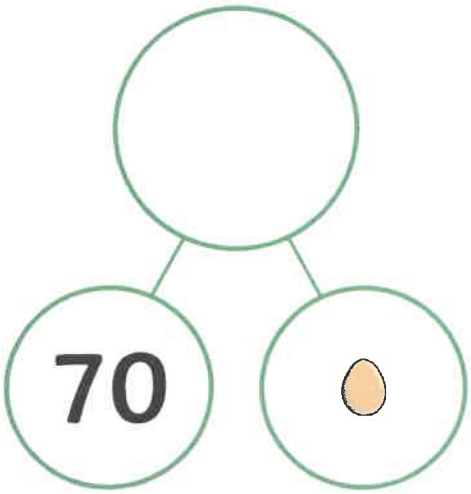
	There are ◯ altogether. There are ◯ groups. There are ◯ in each group.	◯ ÷ ◯ = ◯ ◯ × ◯ = ◯
	There are ◯ altogether. There are ◯ groups. There are ◯ in each group.	◯ ÷ ◯ = ◯ ◯ × ◯ = ◯
	There are ◯ altogether. There are ◯ groups. There are ◯ in each group.	◯ ÷ ◯ = ◯ ◯ × ◯ = ◯
	There are ◯ altogether. There are ◯ groups. There are ◯ in each group.	◯ ÷ ◯ = ◯ ◯ × ◯ = ◯

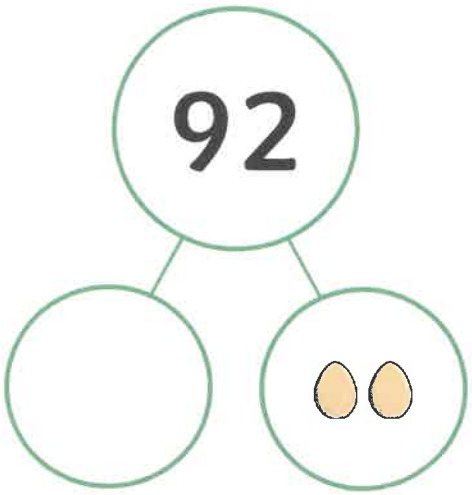
Egg Tens and Ones

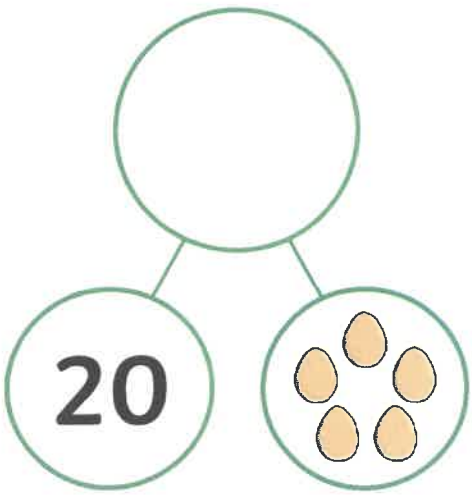
Complete the part-part-whole pictures by adding the missing number.

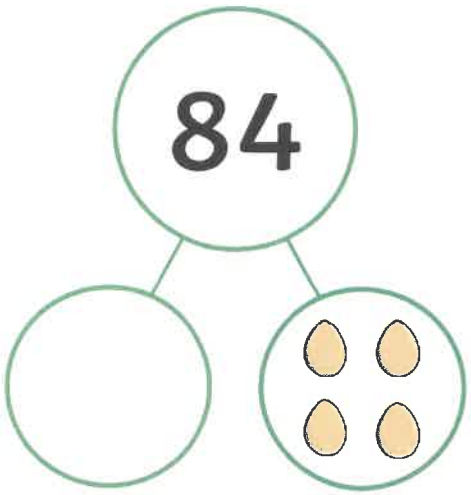






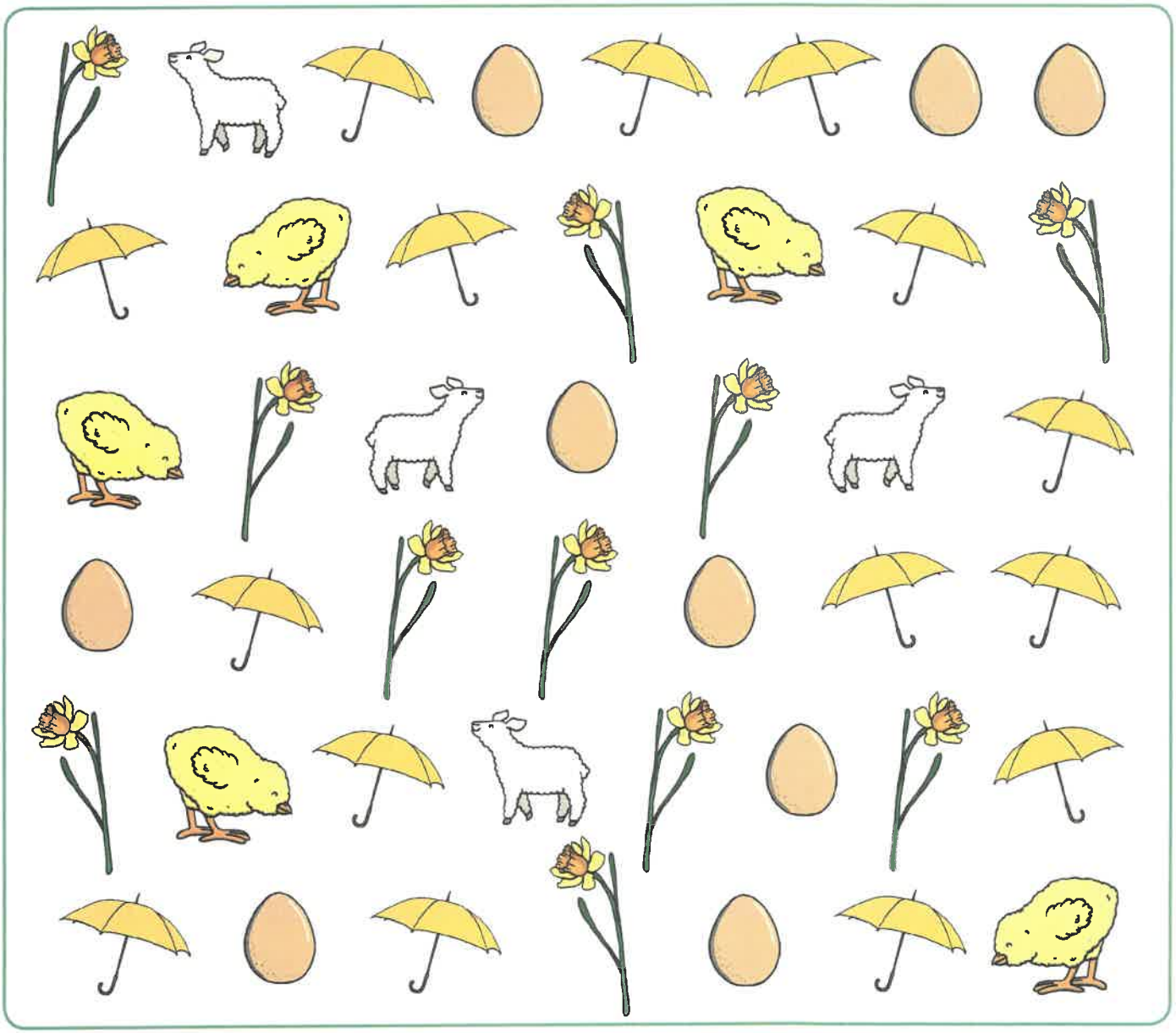






Spring Tally Chart

Count the objects to complete the tally chart.

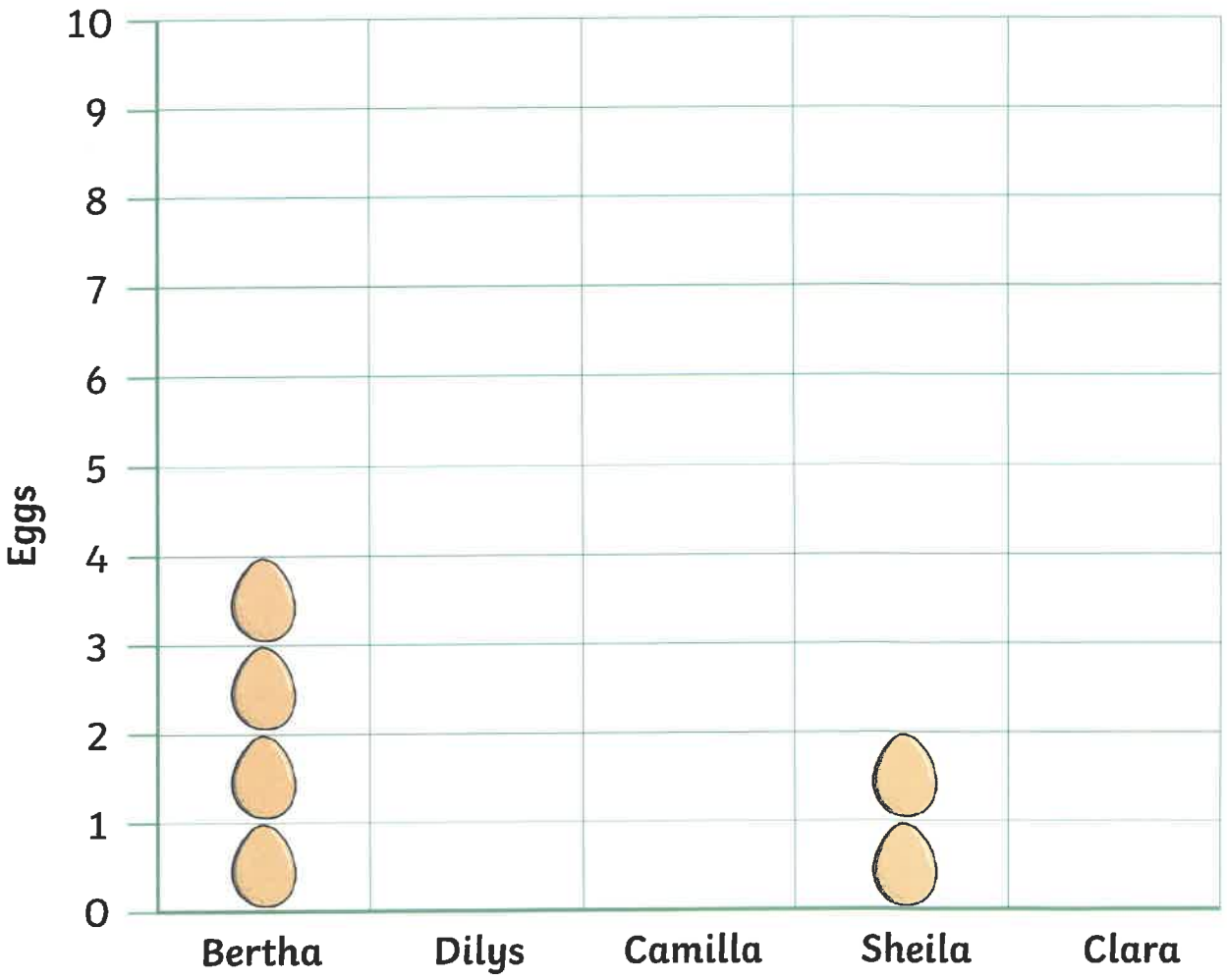


Spring Picture	Tally	Total
Chick		
Egg		
Umbrella		
Lamb		
Daffodil		

Chicken and Egg Pictogram

Connie has chickens in her garden. She recorded how many eggs they laid in a week. Complete the tally chart and pictogram using the data given.

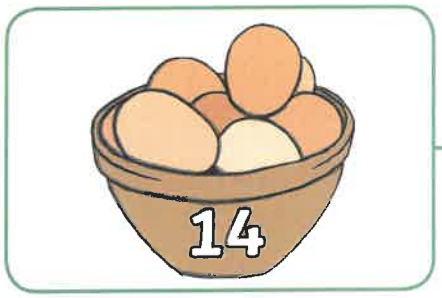
Chicken's name	Tally
Bertha	
Dilys	𝍸 I
Camilla	𝍸 II
Sheila	
Clara	𝍸 III



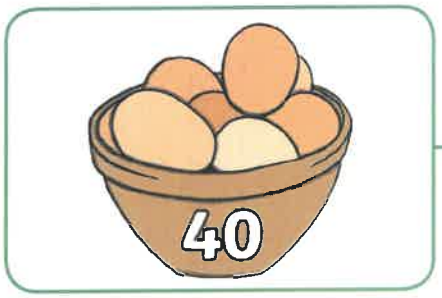
Challenge: How many more eggs did Camilla lay than Bertha?

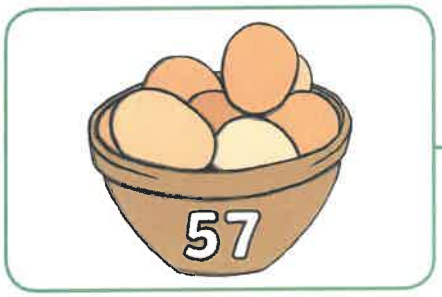
Number Representations to 100

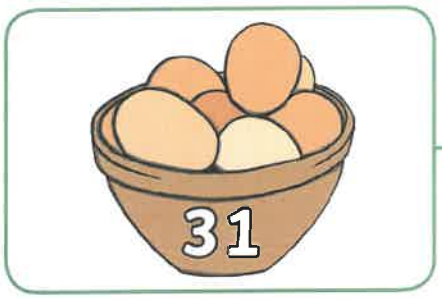
Draw circles in the ten-frames to represent the number on the egg baskets. Write the number in words. The first one has been done for you.

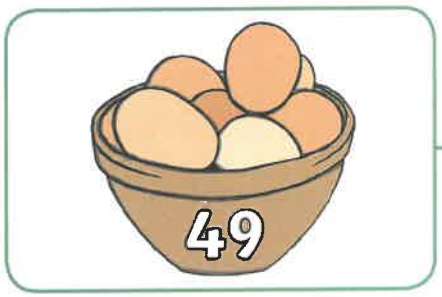


fourteen









Partitioning

How many ways can you partition these numbers?
The first two have been done for you.

42 = 40 + 2

42 = 30 + 12

42 = ☐

42 = ☐

57 = 50 + 7

57 = ☐

57 = ☐

57 = ☐

57 = ☐

68 = ☐

68 = ☐

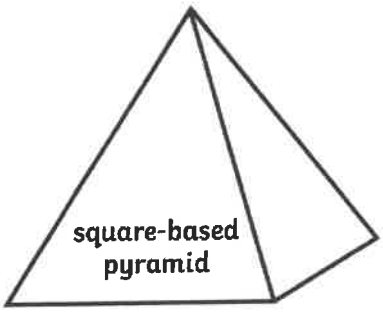
68 = ☐

68 = ☐

68 = ☐

Parents: 'Partitioning' a number means splitting it up into the values of its digits. A key skill in year 2 is to understand that you can partition a number into different combinations of tens and ones. For example, 37=30+7, 37=20+17, 37=10+27. To show true mastery, children should begin to organise their work methodically. It will help understanding, if your child has materials to work with - 10p and 1p coins are useful as they can move them around and get an idea of the different ways to split the number. Help your child to see the patterns - the tens digit of the first number decreases as the tens digit of the second number increases.

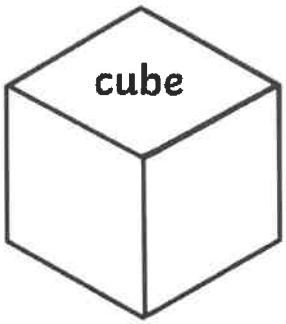
3D Shapes



edges _____

faces/surfaces _____

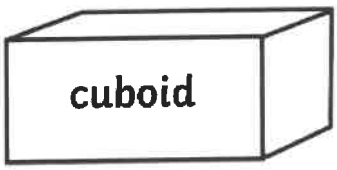
vertices _____



edges _____

faces/surfaces _____

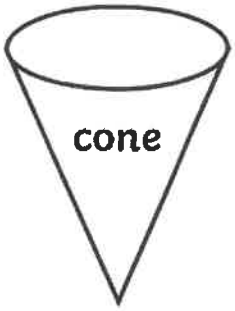
vertices _____



edges _____

faces/surfaces _____

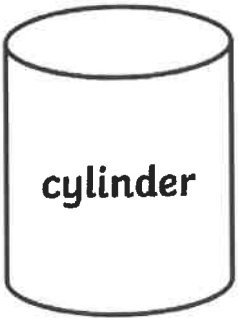
vertices _____



edges _____

faces/surfaces _____

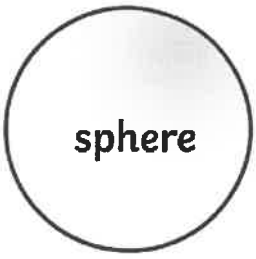
vertices _____



edges _____

faces/surfaces _____

vertices _____



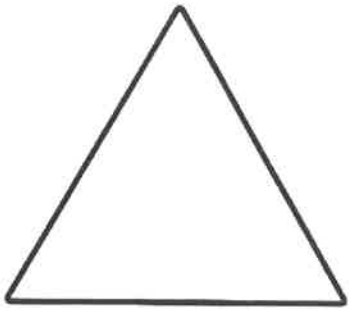
edges _____

faces/surfaces _____

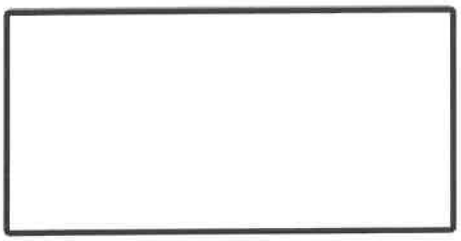
vertices _____

Properties of 2D Shapes

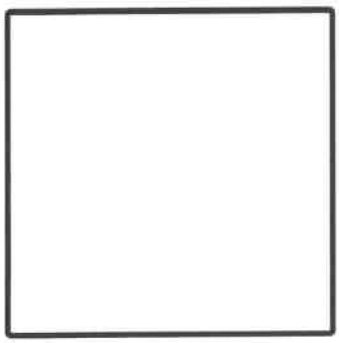
Write down the properties of the shapes.



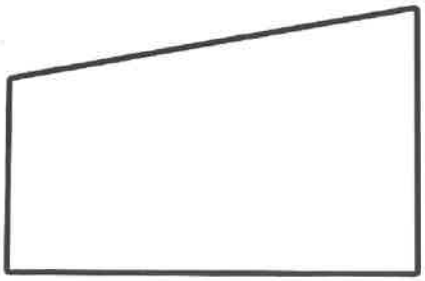
What are the properties of a triangle?



What are the properties of a rectangle?



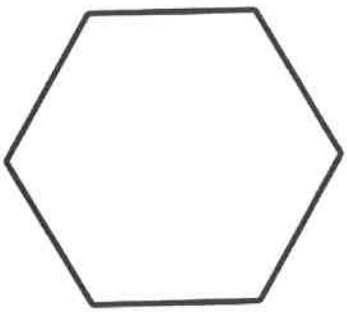
What are the properties of a square?



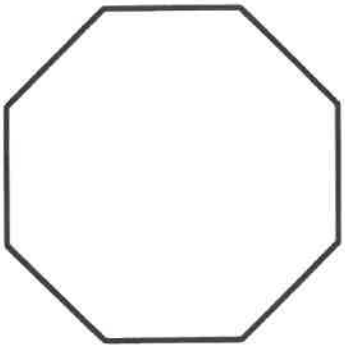
What are the properties of a quadrilateral?

Properties of 2D Shapes

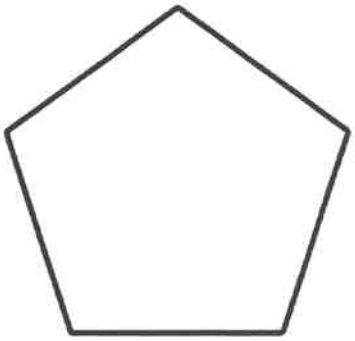
Write down the properties of the shapes.



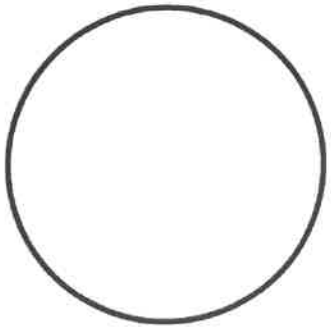
What are the properties of a hexagon?



What are the properties of an octagon?



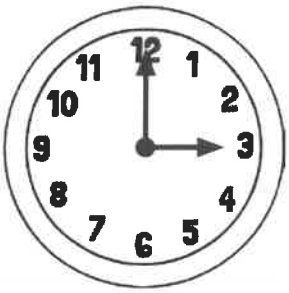
What are the properties of a pentagon?

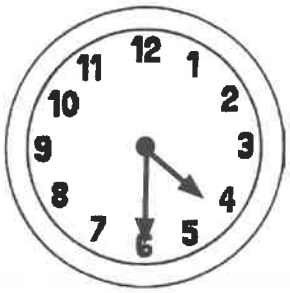


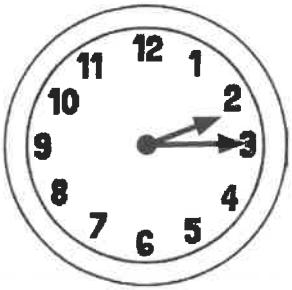
What are the properties of a circle?

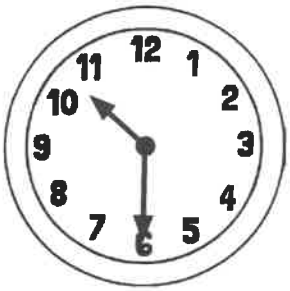
Telling the Time

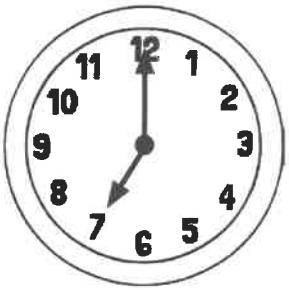
Write down the time each clock is showing on the line underneath.

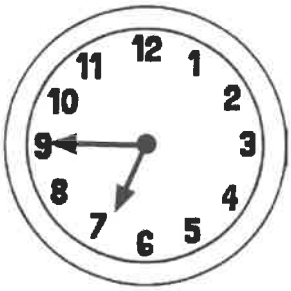


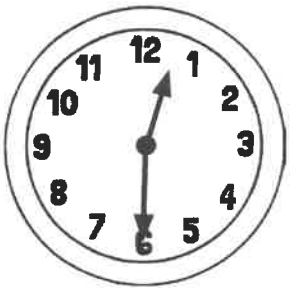


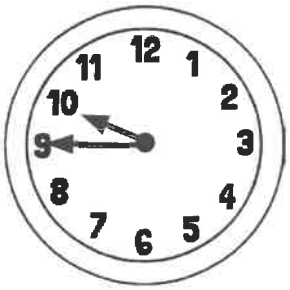


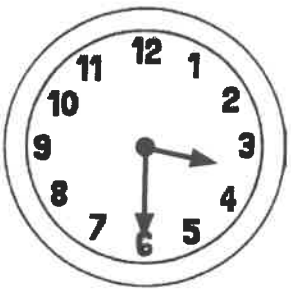


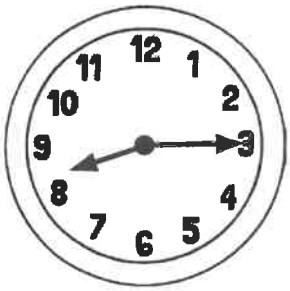


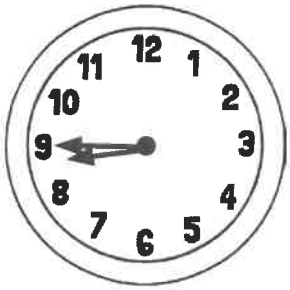


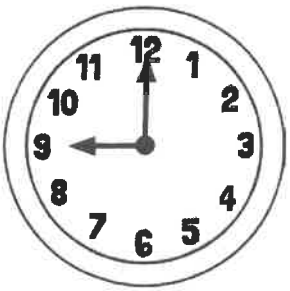




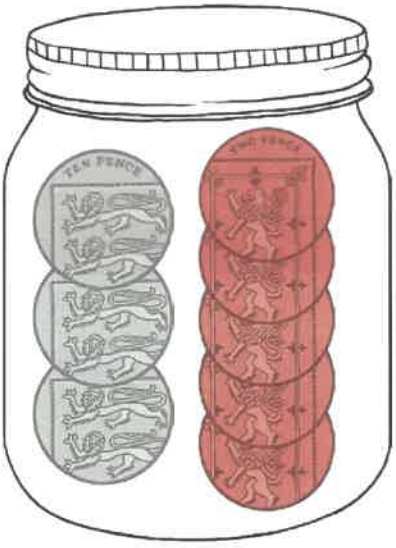








How much money is in my jar?



Make the following totals in the money jars by cutting out the coins on the next page.

Draw the coins

36p

91p

59p

43p

62p

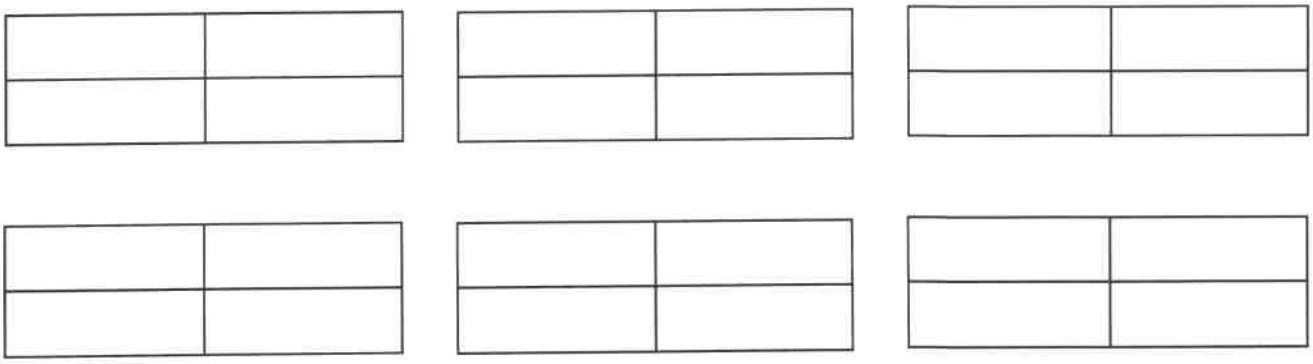
88p

How much money is in my jar?

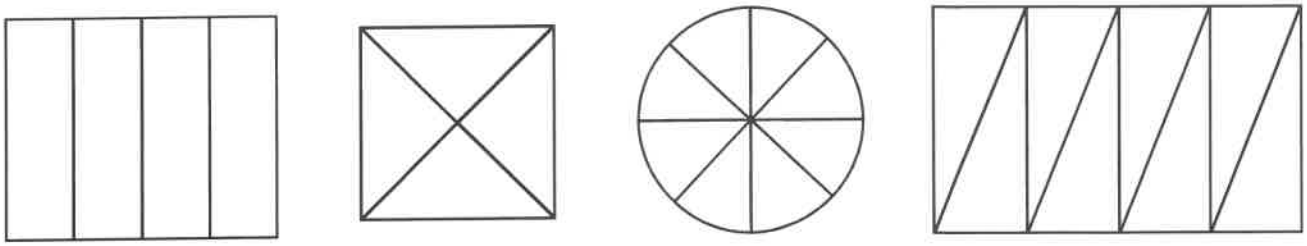
Shading Shapes

I can shade $\frac{1}{2}$, $\frac{1}{4}$ or $\frac{2}{4}$ of a shape.

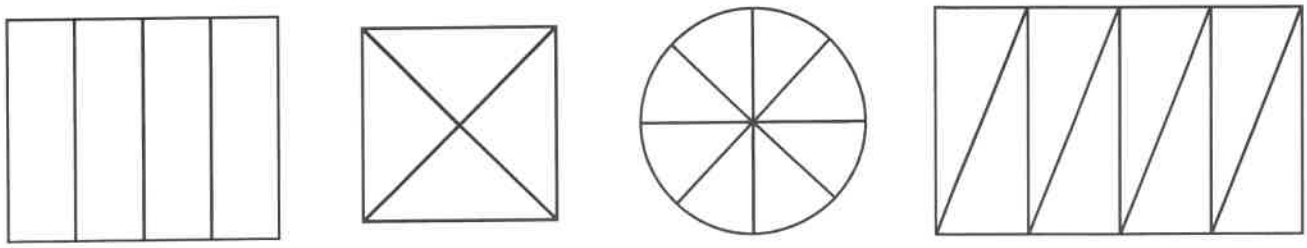
1. Can you find 6 different ways to shade $\frac{1}{2}$ of these shapes?



2. Shade $\frac{1}{4}$ of these shapes.

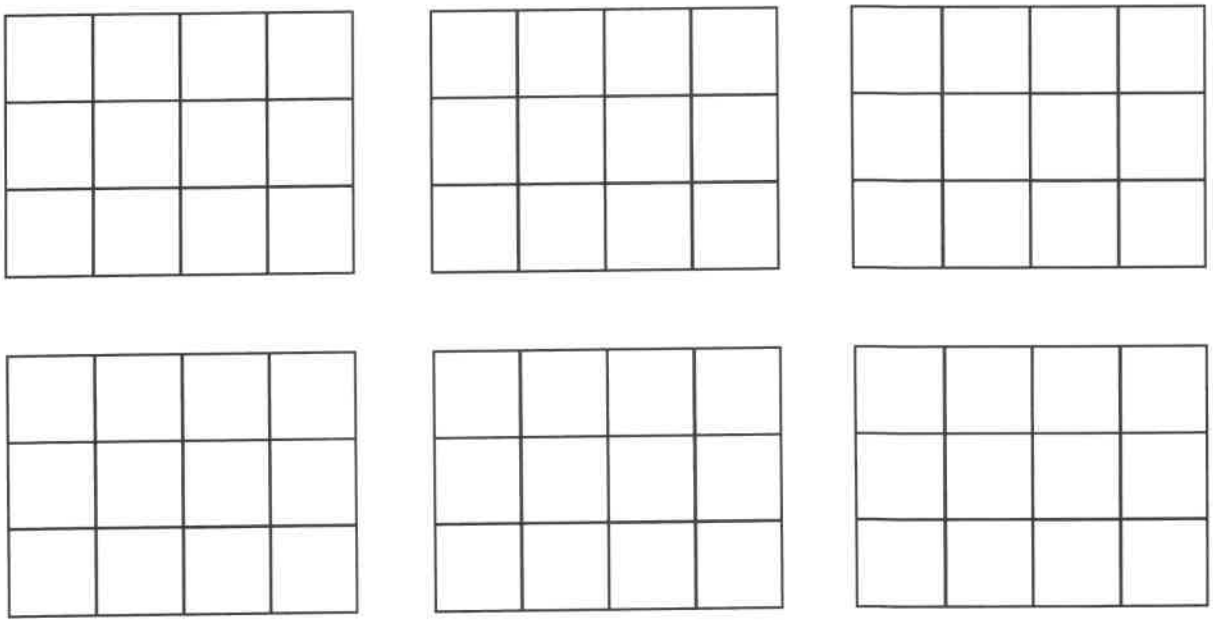


3. Now shade $\frac{1}{4}$ in a different way.



Shading Shapes

4. Find different ways to colour $\frac{2}{4}$ of this shape.



5. How did you know how many squares to colour?