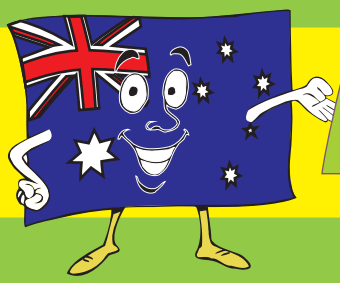


HOMEWORK HELP

AGES 4-5

BEGINNING MATHEMATICS

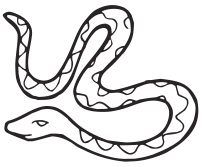
Essential skills for learning mathematics

MATHEMATICAL TERMS

NUMBER

1	one	1st
2	two	2nd
3	three	3rd
4	four	4th
5	five	5th
6	six	6th
7	seven	7th
8	eight	8th
9	nine	9th
10	ten	10th

LENGTH

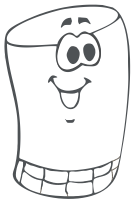


long
longer

short
shorter

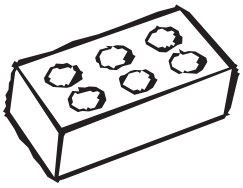
CAPACITY

full



empty

MASS



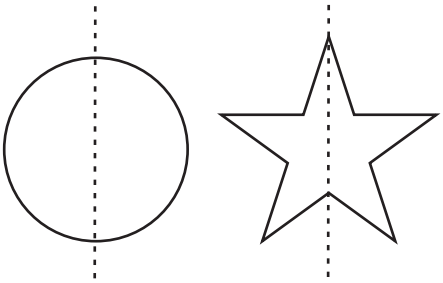
heavy
heavier

light
lighter

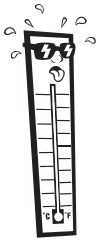
POSITION

under / on top of
beside / between
closer / further away
inside / outside
in front of / behind

SYMMETRY



TEMPERATURE

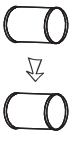


hot

cold

MOVEMENT OF OBJECTS

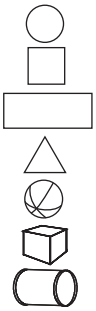
slide



roll

stack

SHAPES



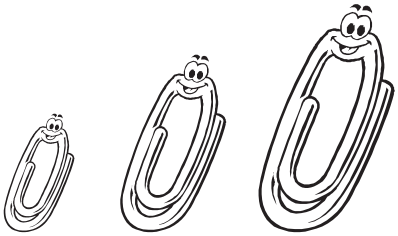
circle
square
rectangle
triangle
ball shape
box shape
can shape

TIME

DAYS OF THE WEEK

Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday

SEQUENCING



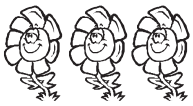
smallest

middle
size

biggest

NUMBER

less
least



more
most

POSITION

left

right

HOW TO USE THIS BOOK

This book has been designed to help young children develop mathematical concepts in the three main areas of Space, Measurement and Number.

- Provide a **quiet, comfortable place** to work with your child.
- Keep sessions **short**.
- Make sure your child **understands the directions** before beginning an activity.
- Develop your child's confidence by **praising and encouraging** their efforts.

It is important when teaching mathematical concepts that you also provide your child with many activities using '**hands-on materials**' such as blocks, counters, buttons, pegs, matchsticks and other common items that can be found around the home.

FOLLOW-UP ACTIVITIES

There are many practical activities that can be done to help develop mathematical concepts.
These could include:

- matching socks,
- counting items around the home,
- shopping together (counting items, paying for them etc),
- stacking blocks,
- using playdough to make different shapes,
- cooking together (measuring quantities of ingredients etc),
- floating / sinking / filling objects in the bath,
- counting cars and other traffic,
- setting the table (counting out the cutlery, crockery etc),
- sharing out food at mealtimes.

PUBLISHING INFORMATION

Beginning Mathematics
written by Louise and Greg Porich
© Burrabooks Pty Ltd.
First Published 2001
Revised and Reprinted 2003 (twice), 2004, 2008
ABN 22 070 006 085
P. O. Box 611,
Moruya NSW 2537
Ph: 0244 742 355 0412 166 733
Fax: 0244 742 399

All rights reserved.
Except under the conditions described in the Copyright Act, 1968 of Australia and subsequent amendments, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise without the express prior permission of the copyright owner.

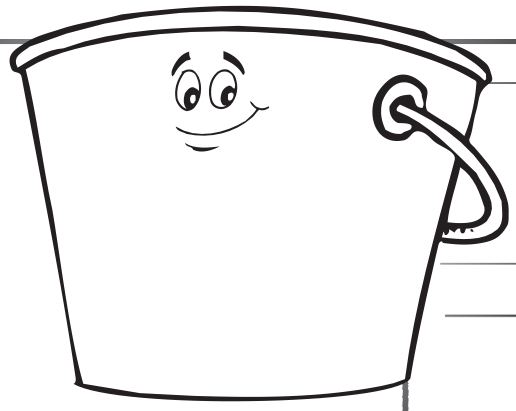
As with all Burrabooks publications every attempt is made to acknowledge copyright. Any infringements are purely coincidental and the publisher offers apologies where applicable.

ISBN 1 86402 166 7

BUR-8083

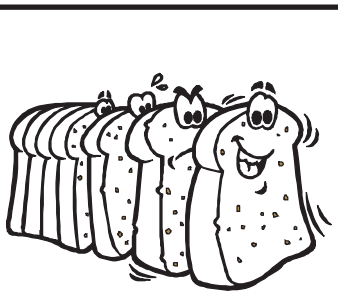
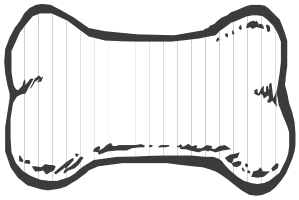
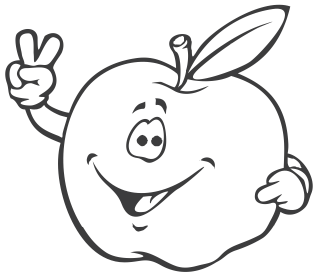
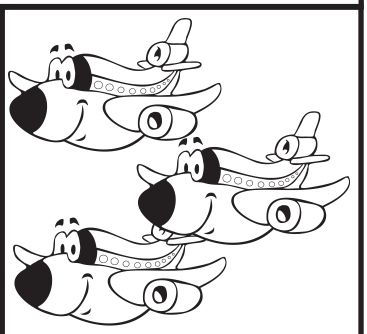
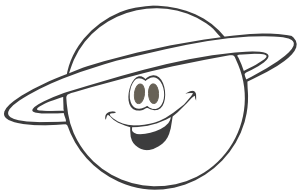
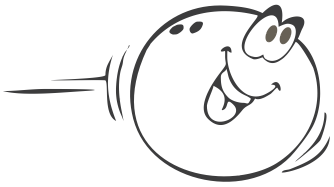
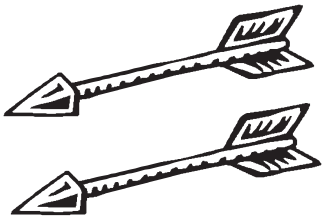
BURRABOOKS
www.burrabooks.com.au
mail@burrabooks.com.au

Trace the number 1.

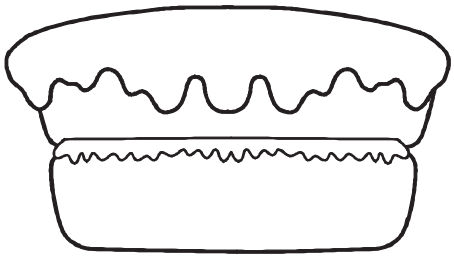


one **bucket**

Colour the groups with 1.

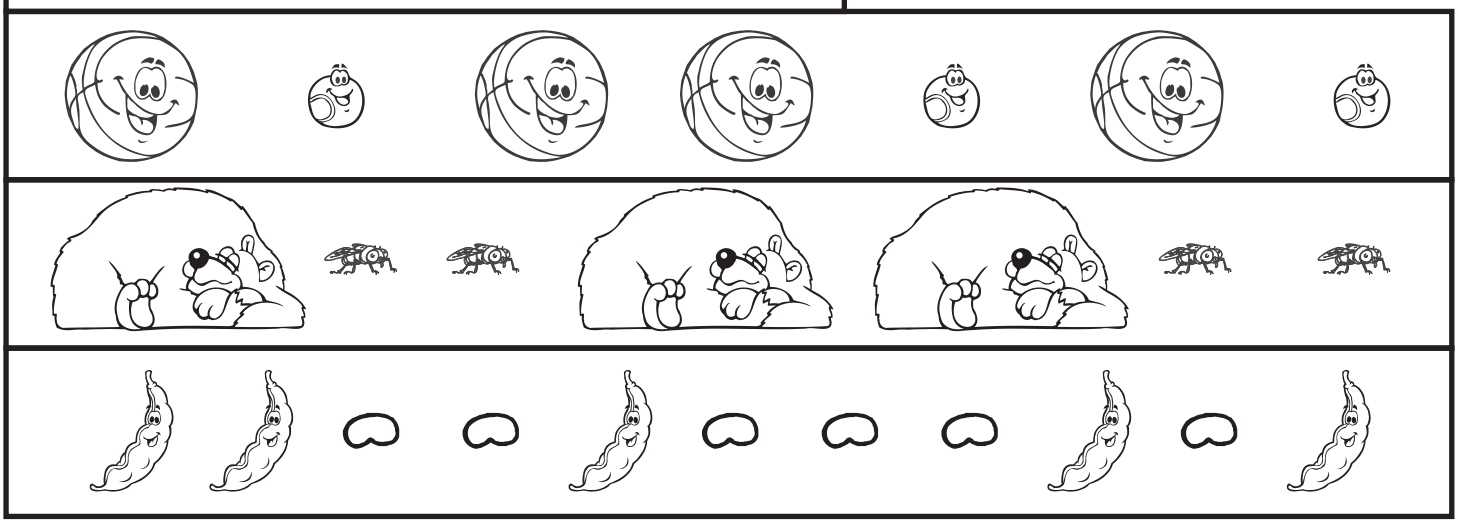








Draw 1 candle on the cake.

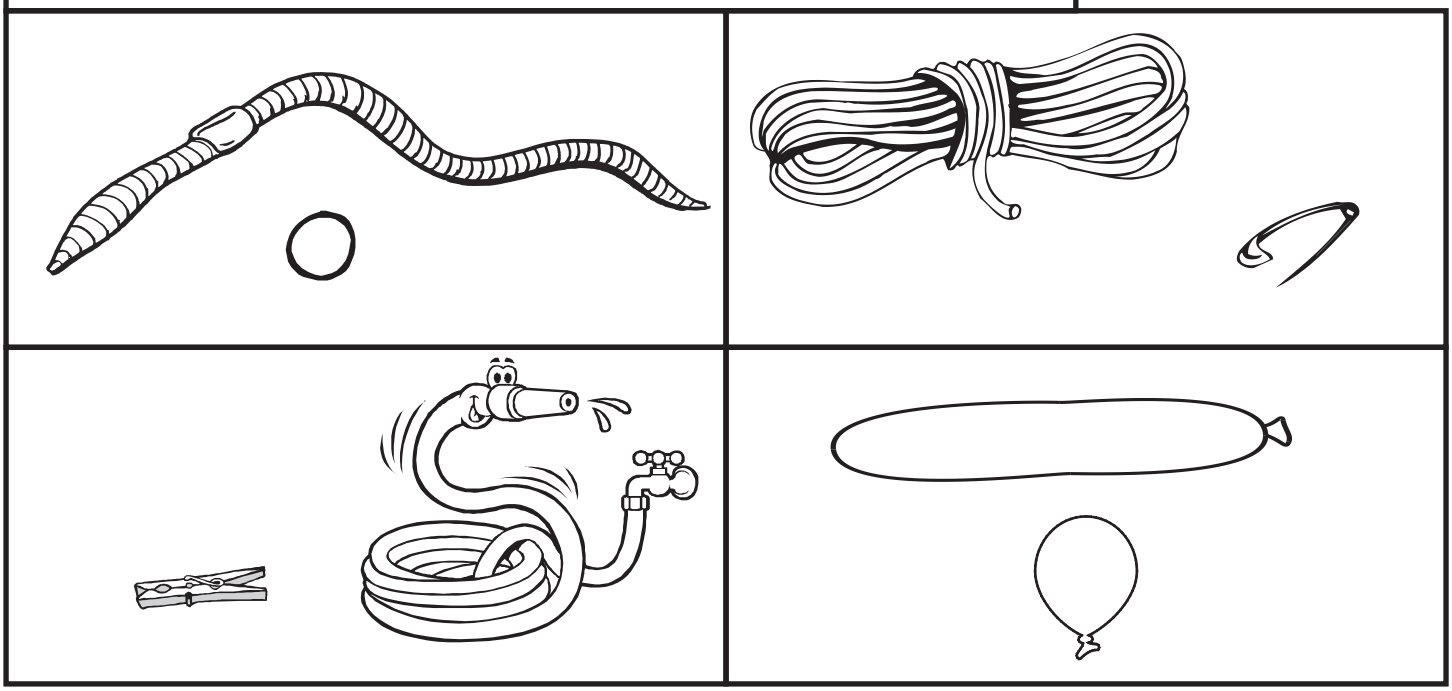


Draw 1 mouth on the face.

Colour the big things. Circle the small things.



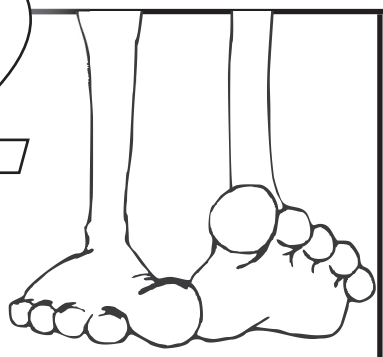
Colour the long things blue. Colour the short things green.



Draw a longer snake.

Trace the number 2.

2

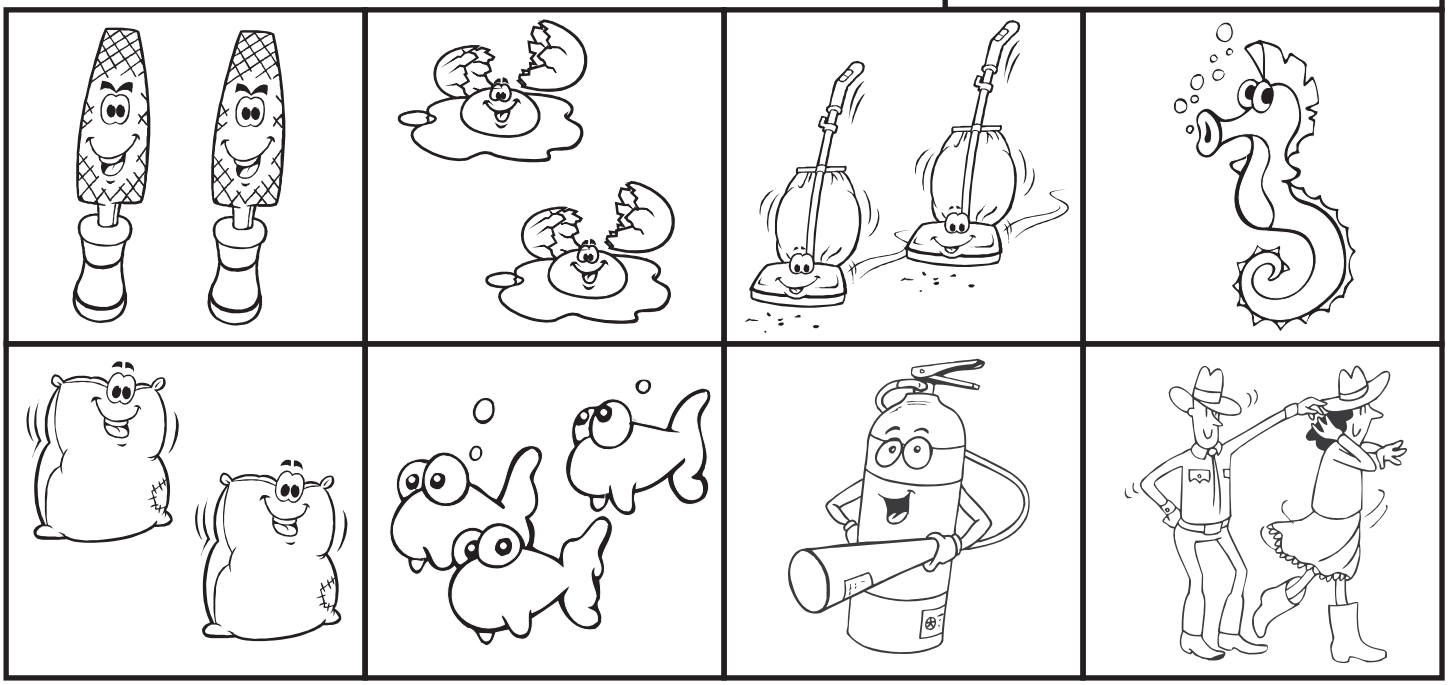


two feet

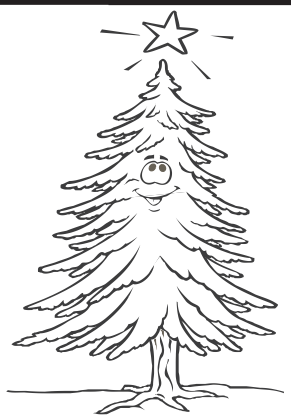
2 2 2 2

2 2 2 2

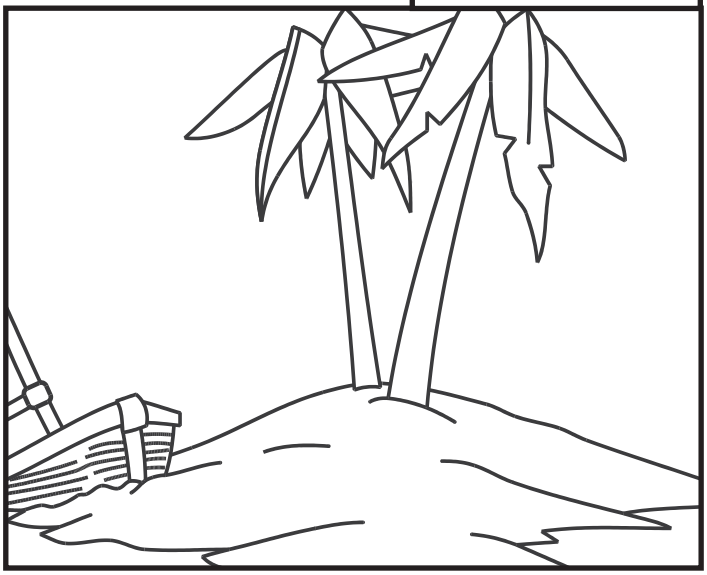
Colour the groups with 2.



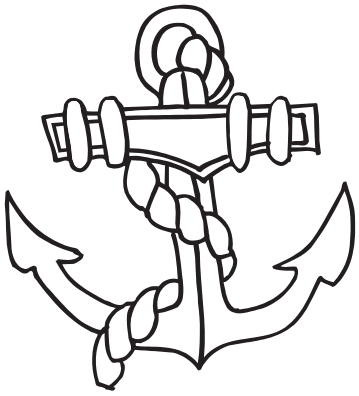
Draw 2 presents under the tree.

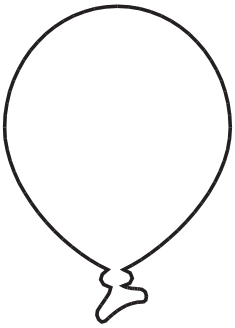


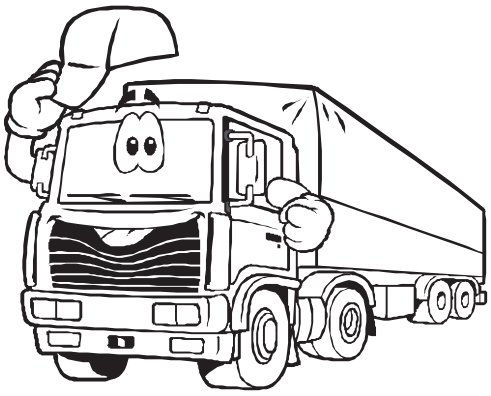
Draw 2 birds on the island.



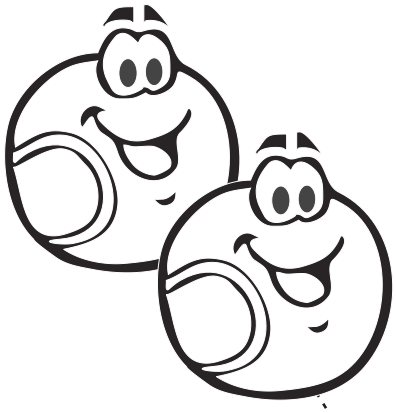
Colour the heavy things red. Colour the light things yellow.







Join the groups to their correct number.



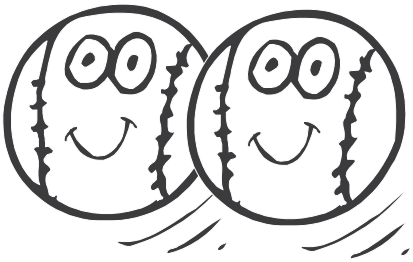
2

1

2

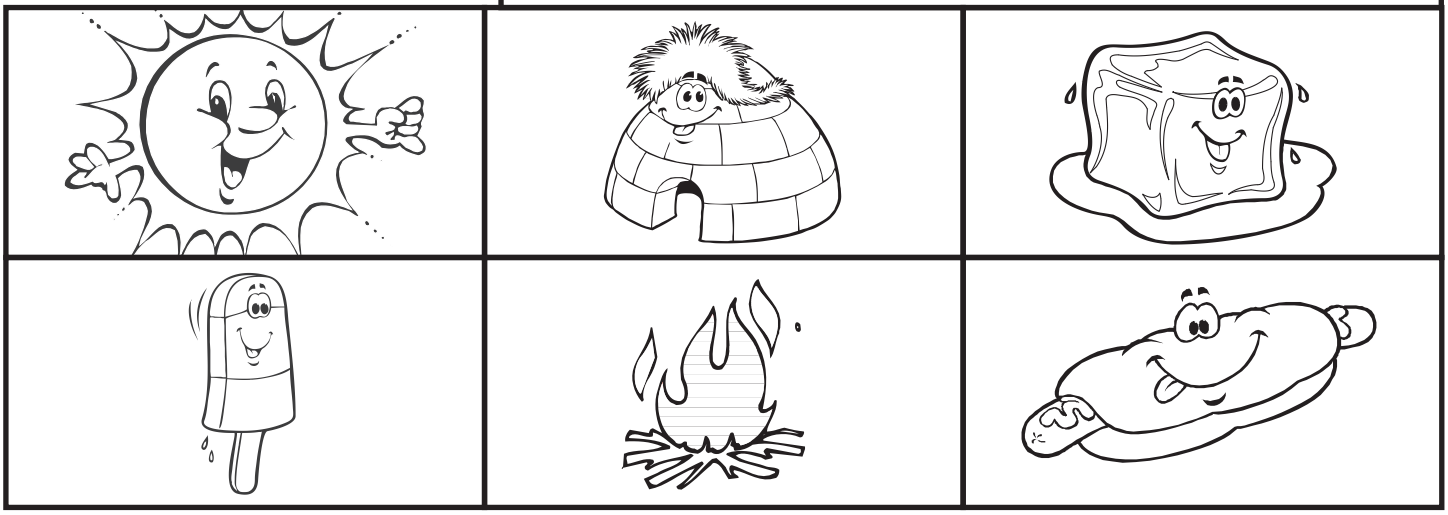
1

2

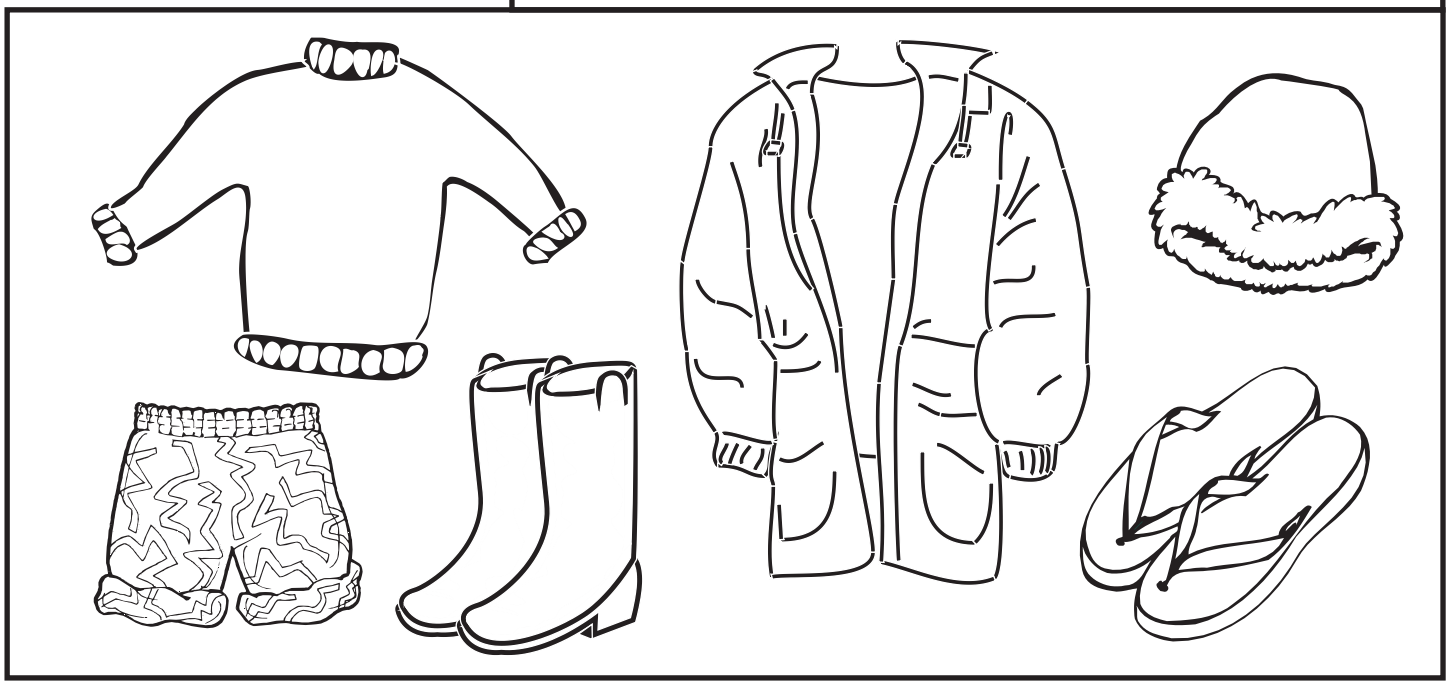


© Burrabooks

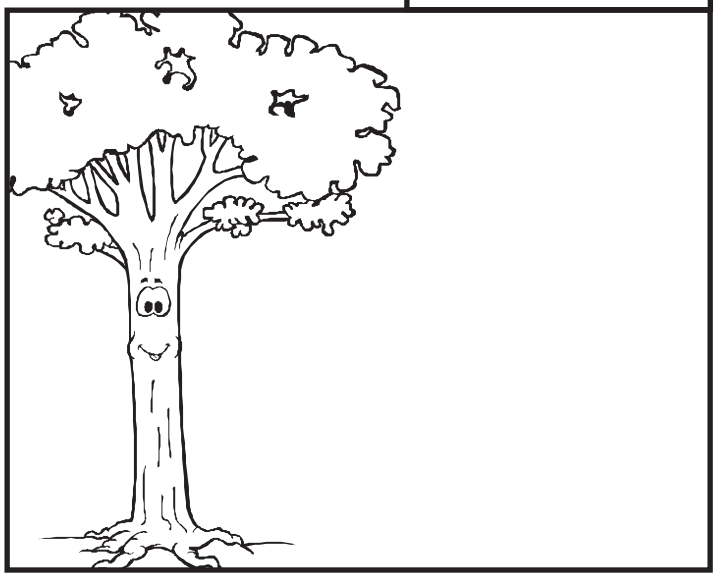
Colour the hot things red and the cold things blue.



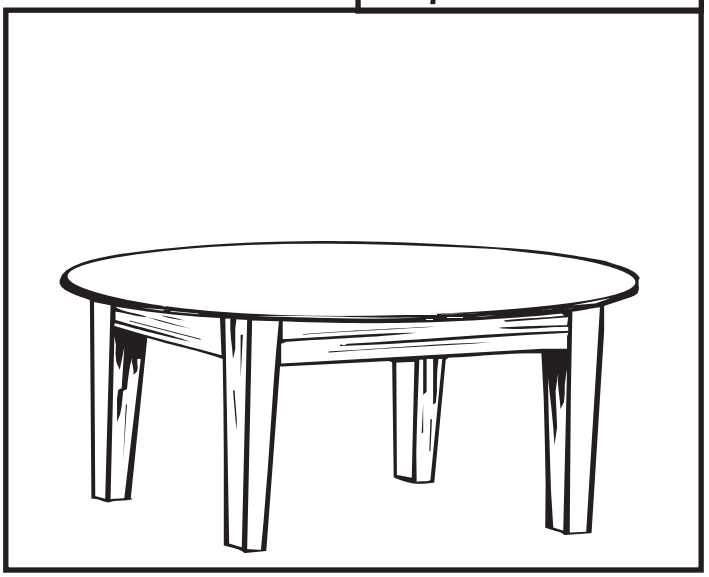
Colour the clothes you would wear on a cold day.



Draw 2 dogs under the tree.



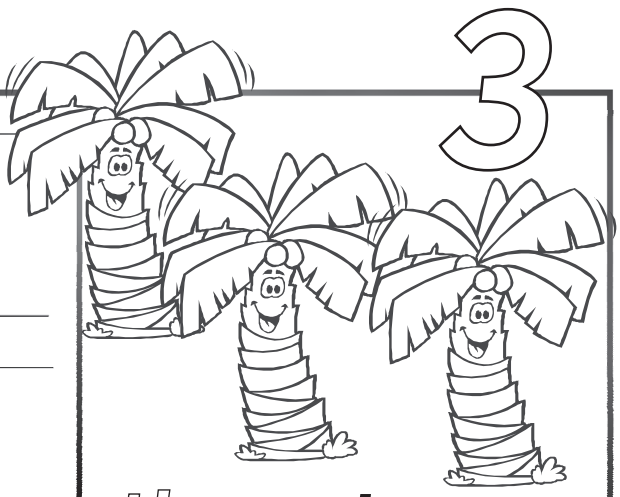
Draw 2 cups on top of the table.



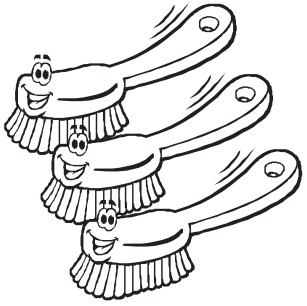
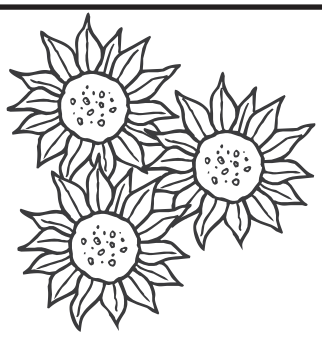
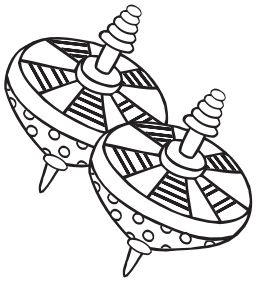
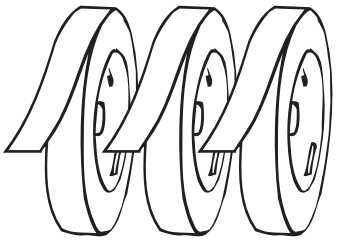
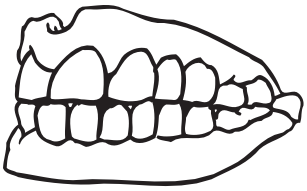
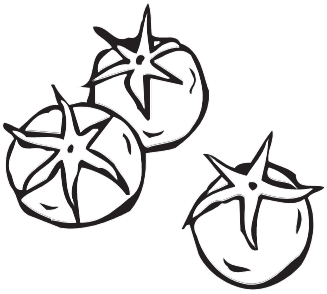
Trace the number 3.

3 3 3 3

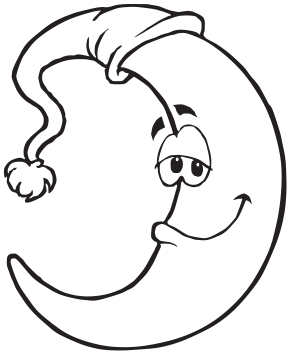
3 3 3 3



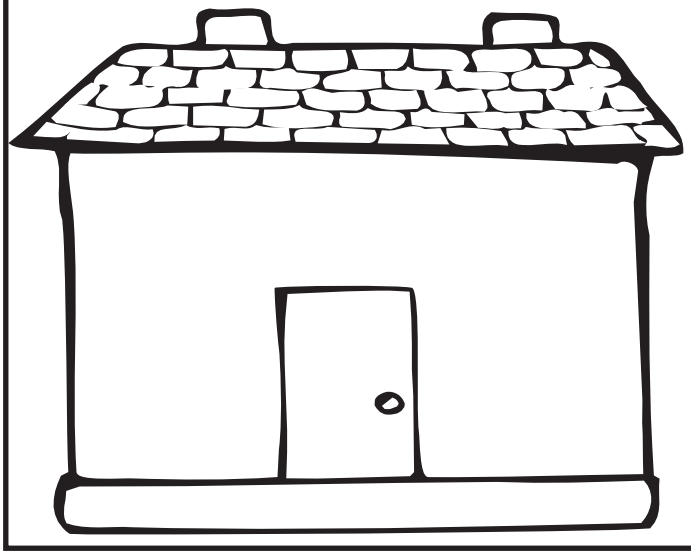
Colour the groups with 3.

Draw 3 stars in the sky.

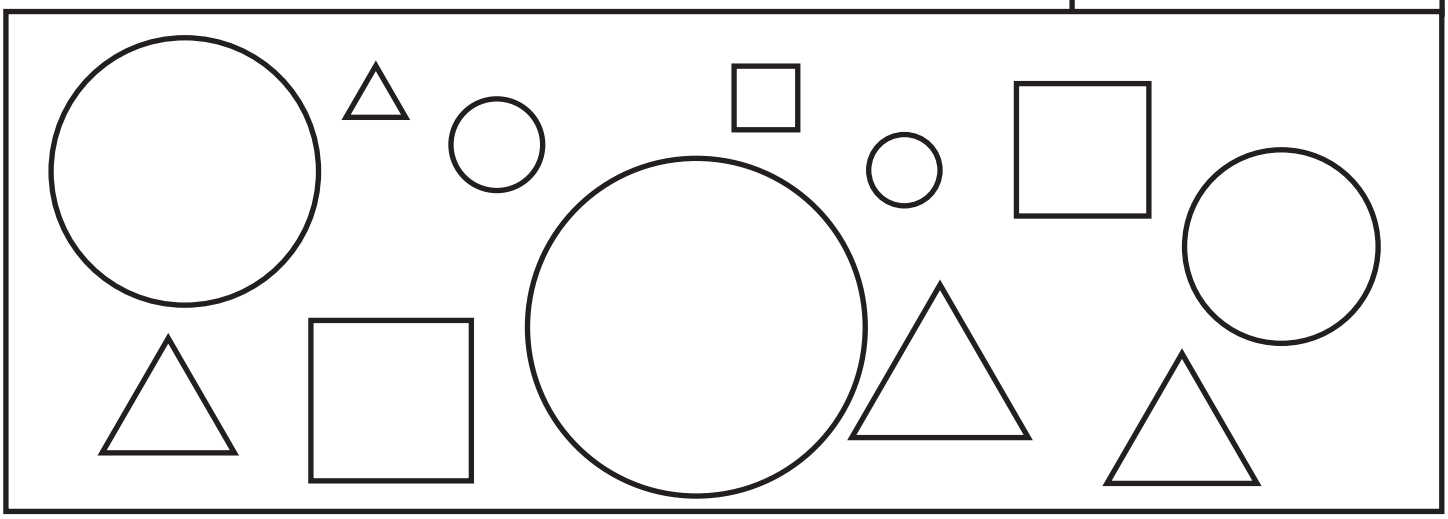


Draw 3 windows on the house.

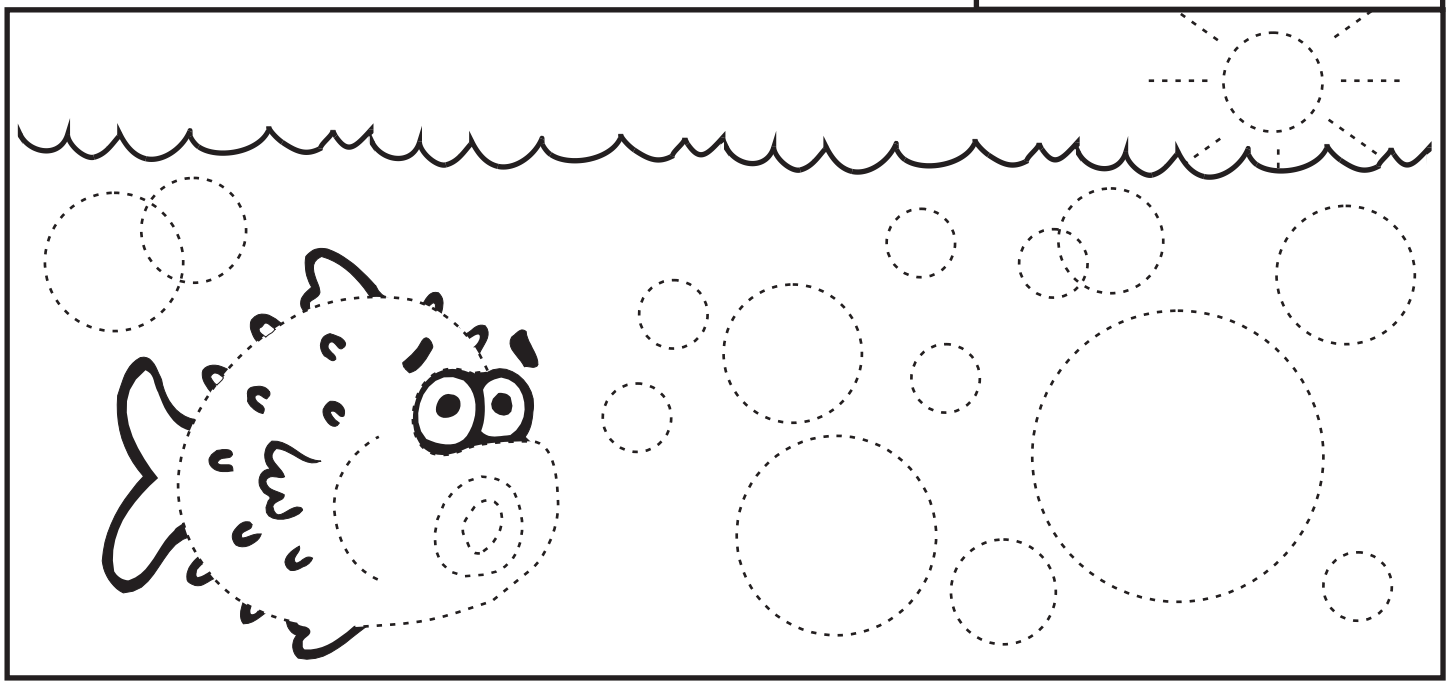


© Burrabooks

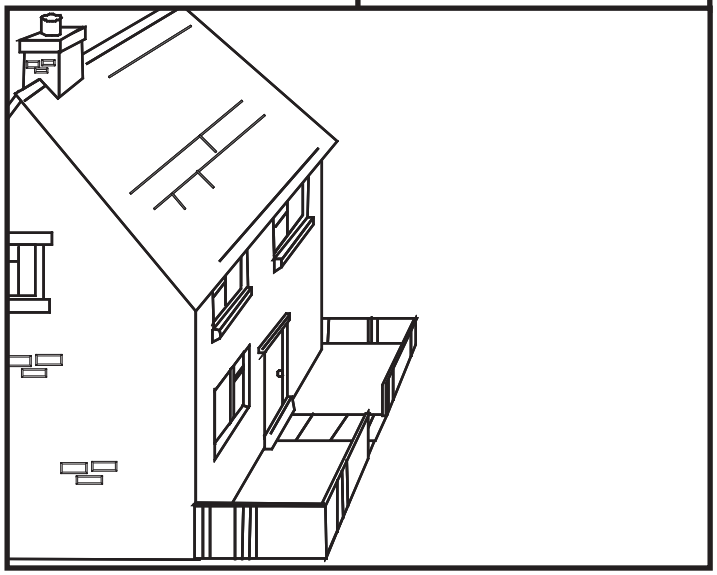
Colour the circles.



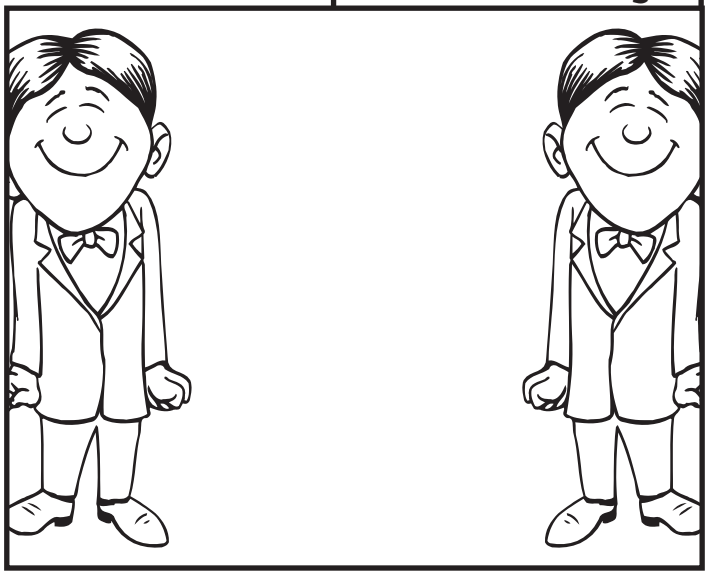
Trace the circle picture.



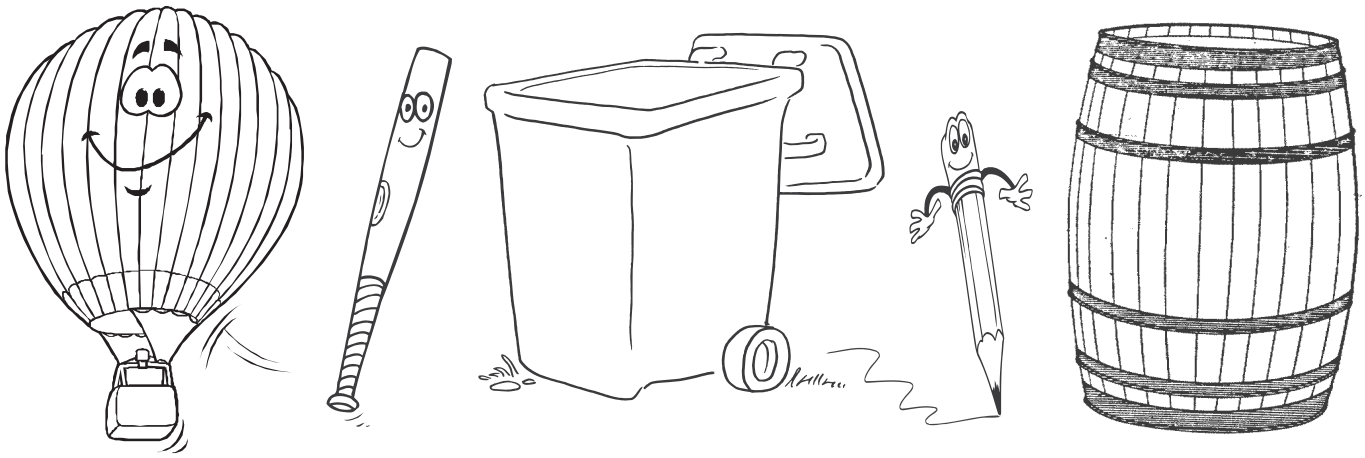
Draw a car beside the house.



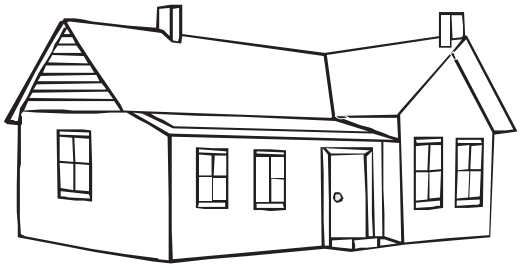
Draw a cat between the boys.



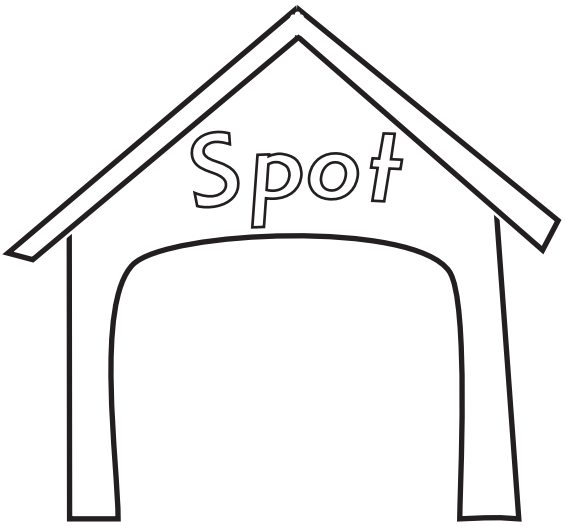
Colour the thick things and circle the thin things.



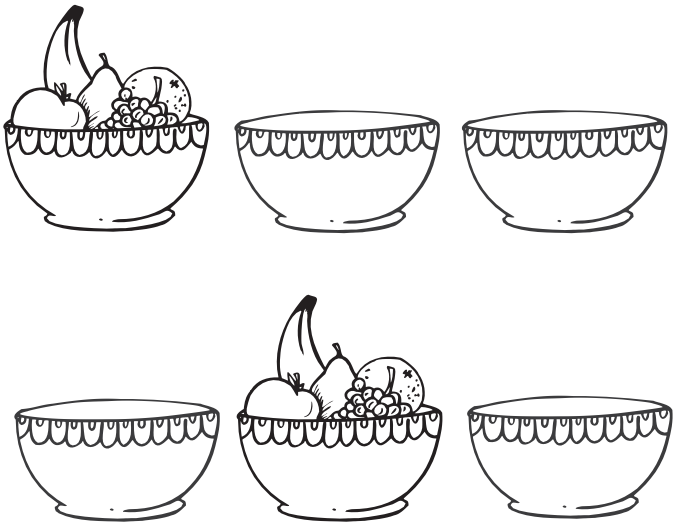
Draw a man outside the house.



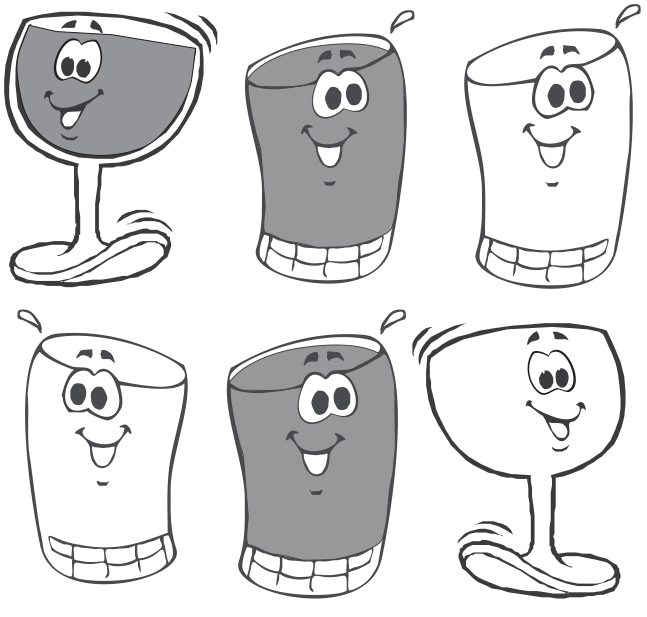
Draw a dog inside the kennel.



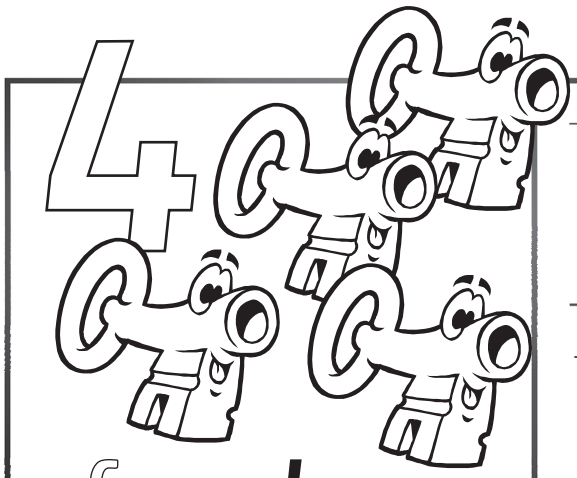
Draw a cross on the empty bowls.



Circle the full glasses.



© Burrabooks



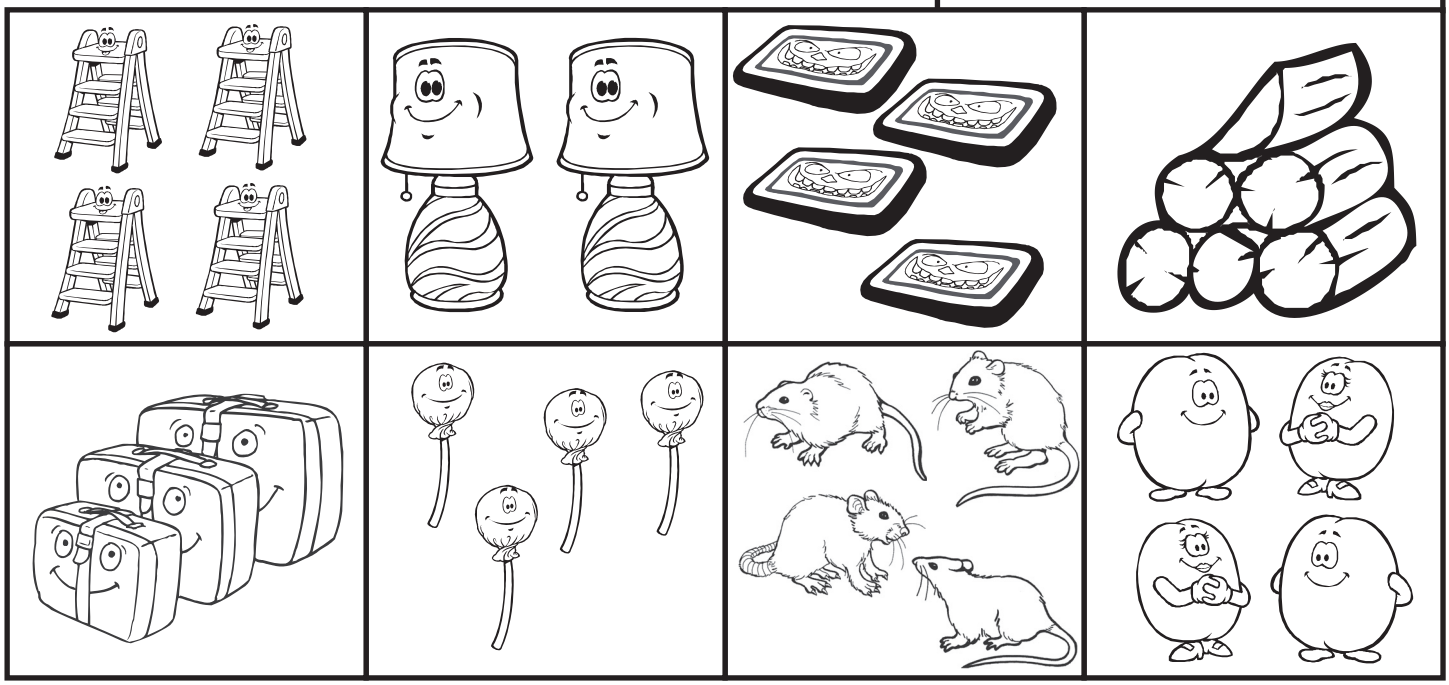
four **keys**

Trace **the number 4.**

4 4 4 4

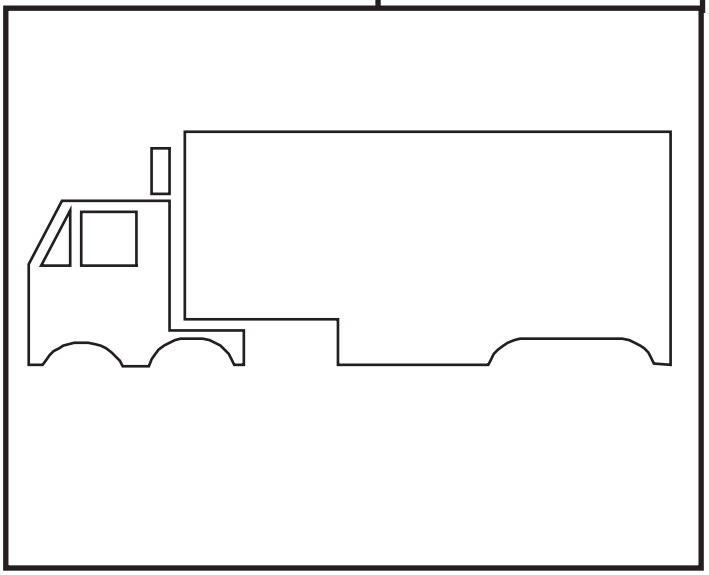
4 4 4 4

Colour **the groups with 4.**

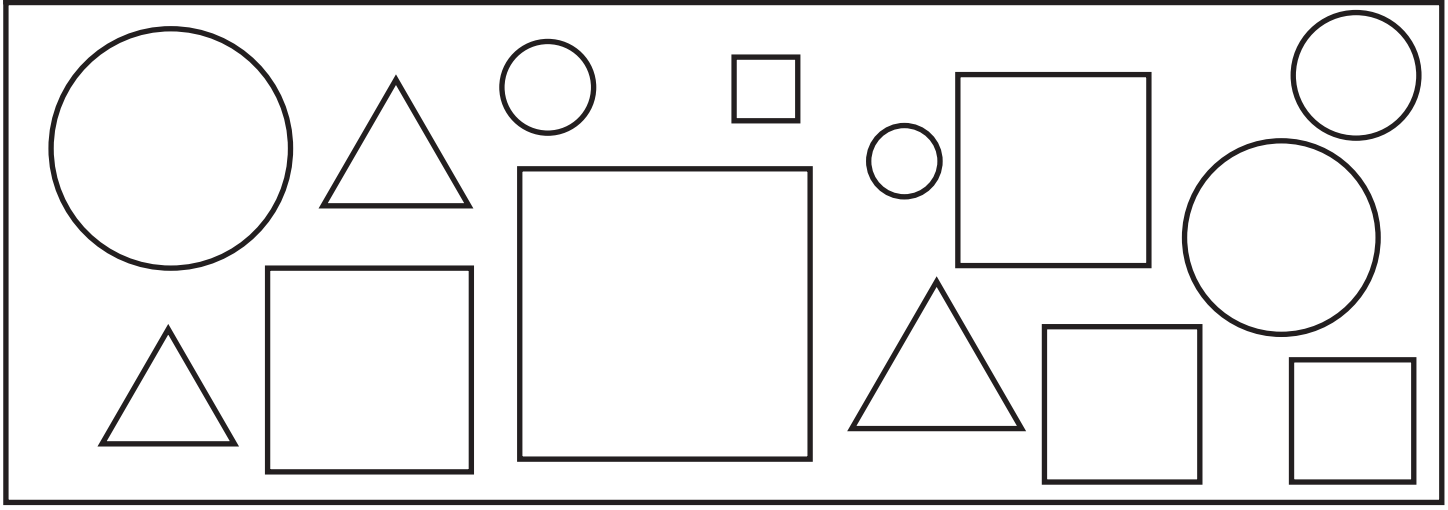


Draw **4 fish in the river.**

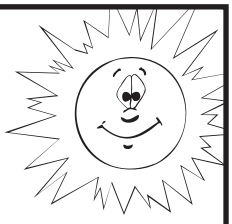
Draw **4 wheels on the truck.**

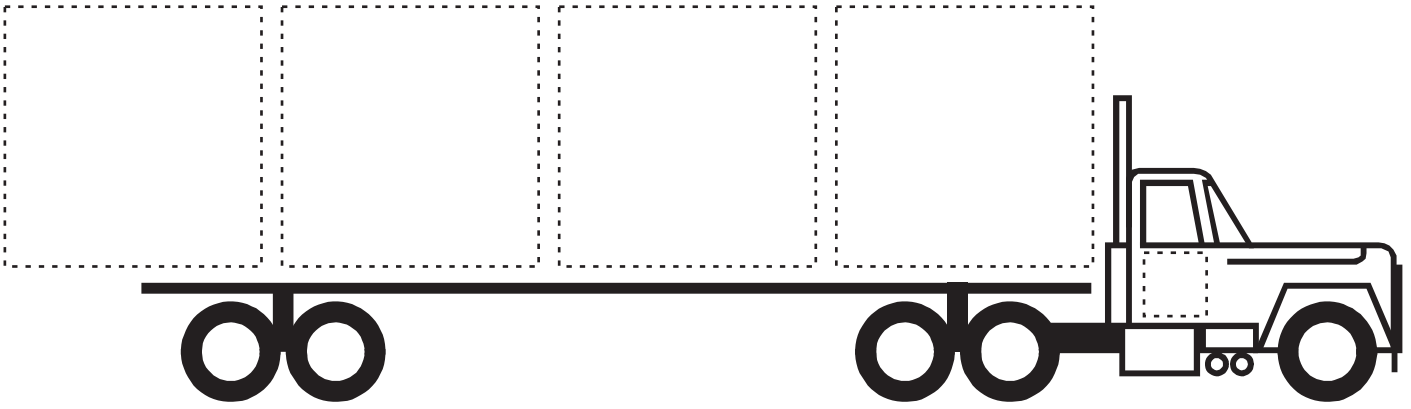


Colour the squares.

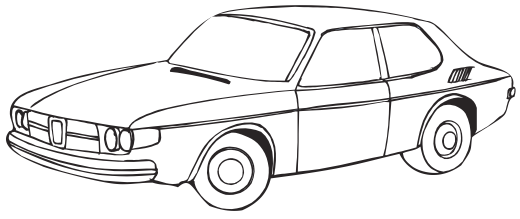


Trace the squares in the picture.





Draw a boy in front of the car.

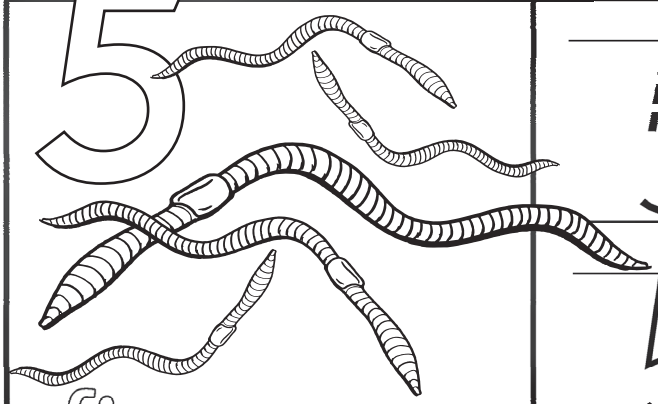


Draw a girl behind her mother.

 © Burrabooks

Trace the number 5.

5

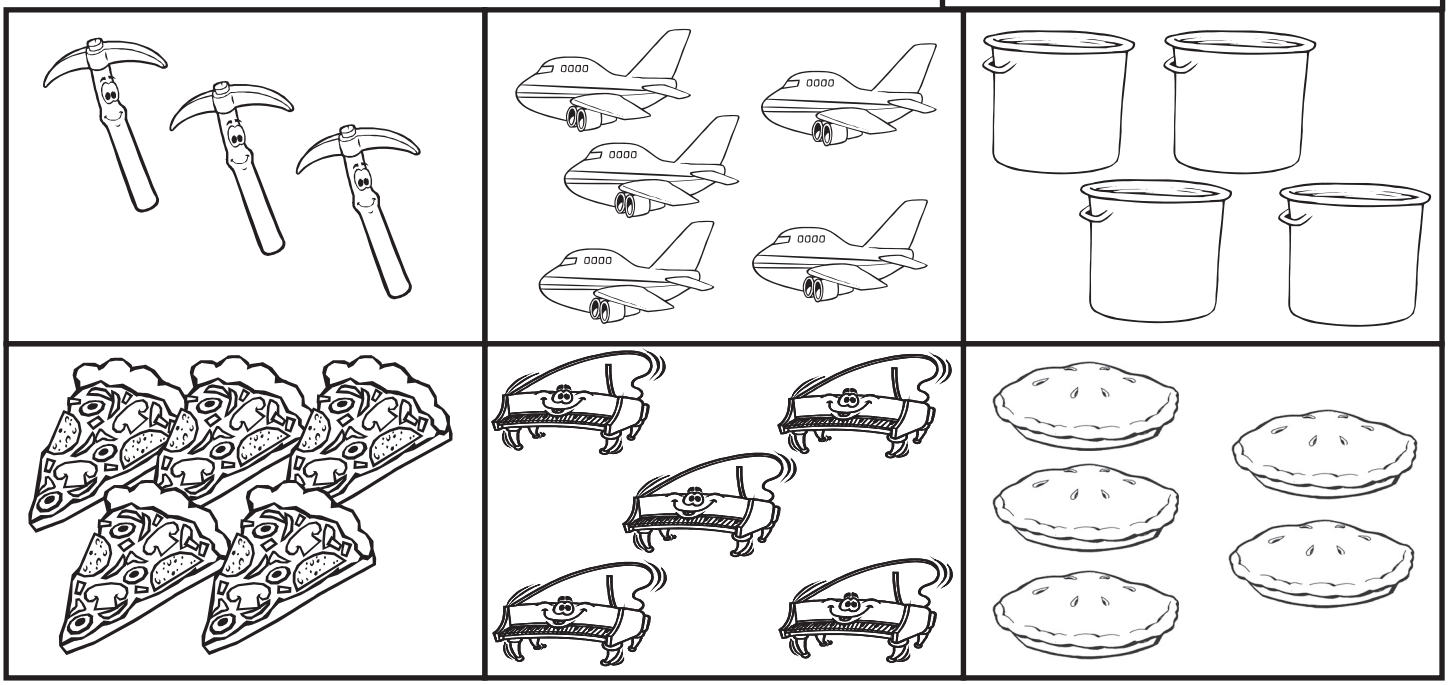


five worms

5 5 5 5

5 5 5 5

Colour the groups with 5.

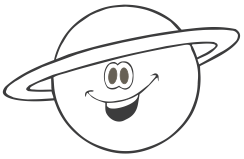


Draw 5 stamps on the letter.

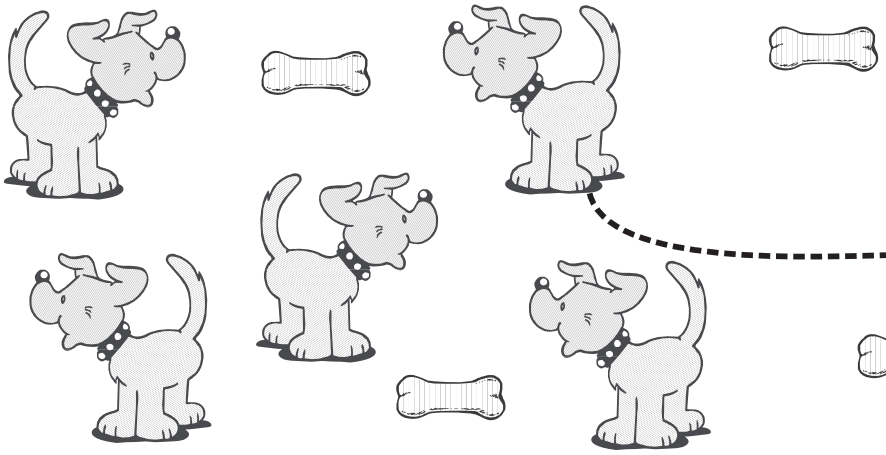
Mr and Mrs Australia
16 Anywhere Street,
SOMETOWN NSW

2345

Draw 5 rockets around the planet.



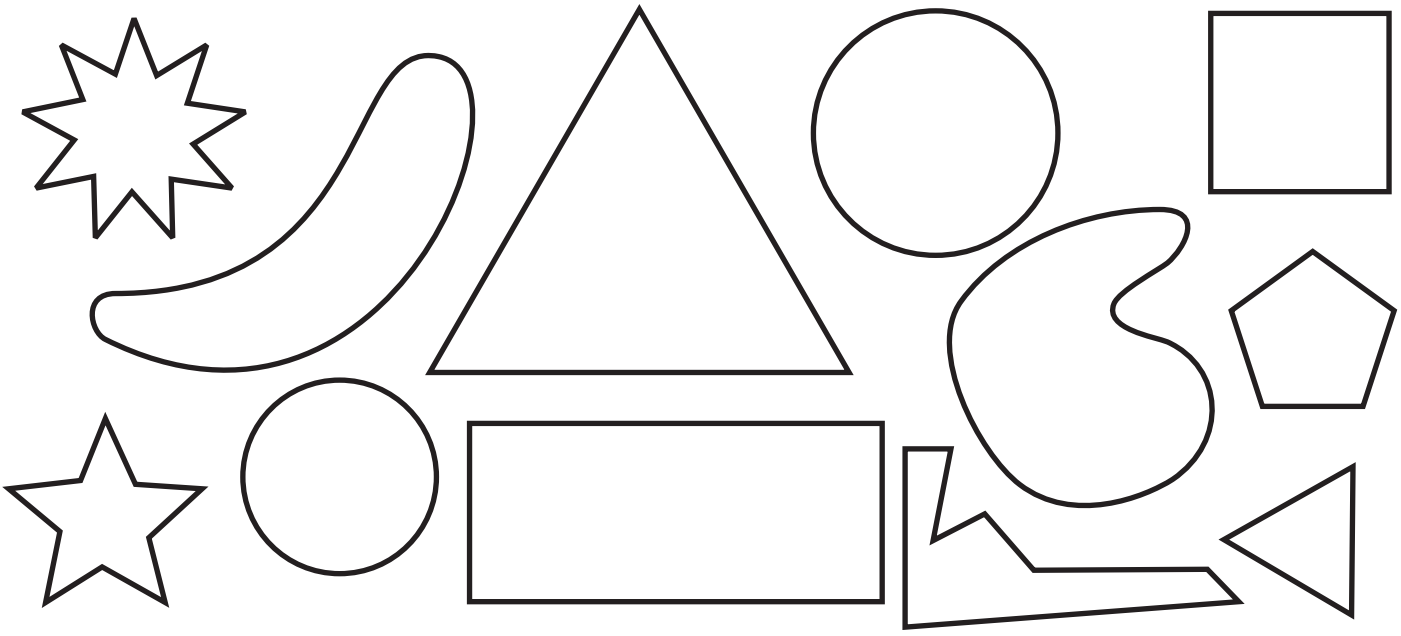
Match the bones to the dogs.



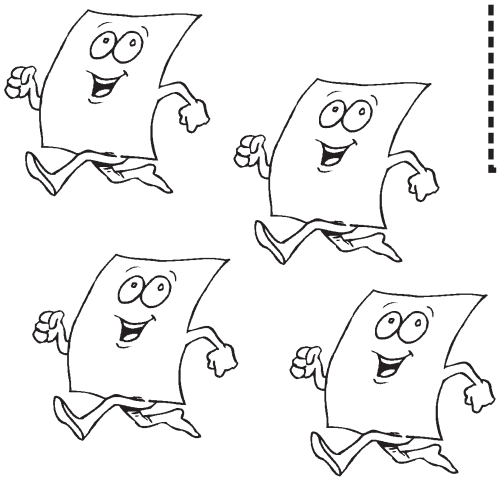
How many bones?

How many dogs?

Colour the curved shapes red and the straight shapes yellow.

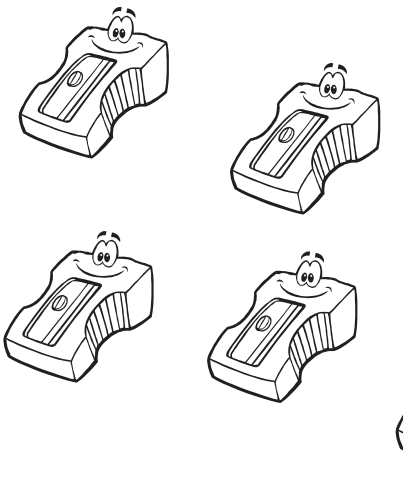


Count the group and write its number.



How many?

Count the group and write its number.

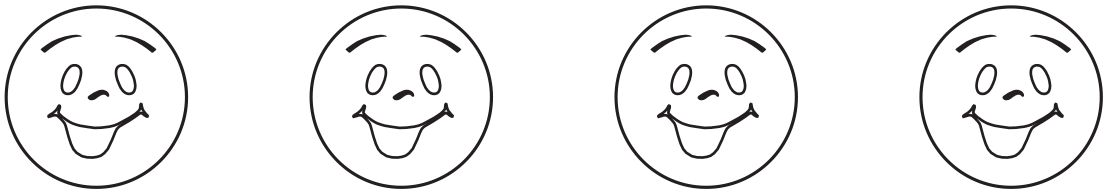


How many?

Trace over the numbers from 1 to 5.

1 2 3 4 5

How many faces? Colour and count them.



How many?

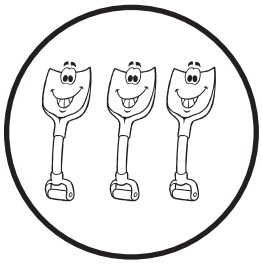
Draw less faces. Colour and count them.

How many?

Draw more faces. Colour and count them.

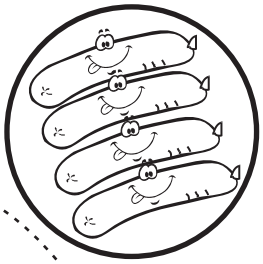
How many?

Draw a line to match each group with its number.

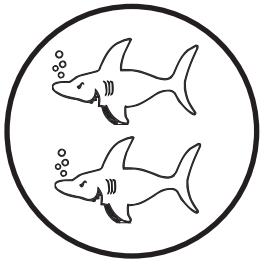


4

3



2

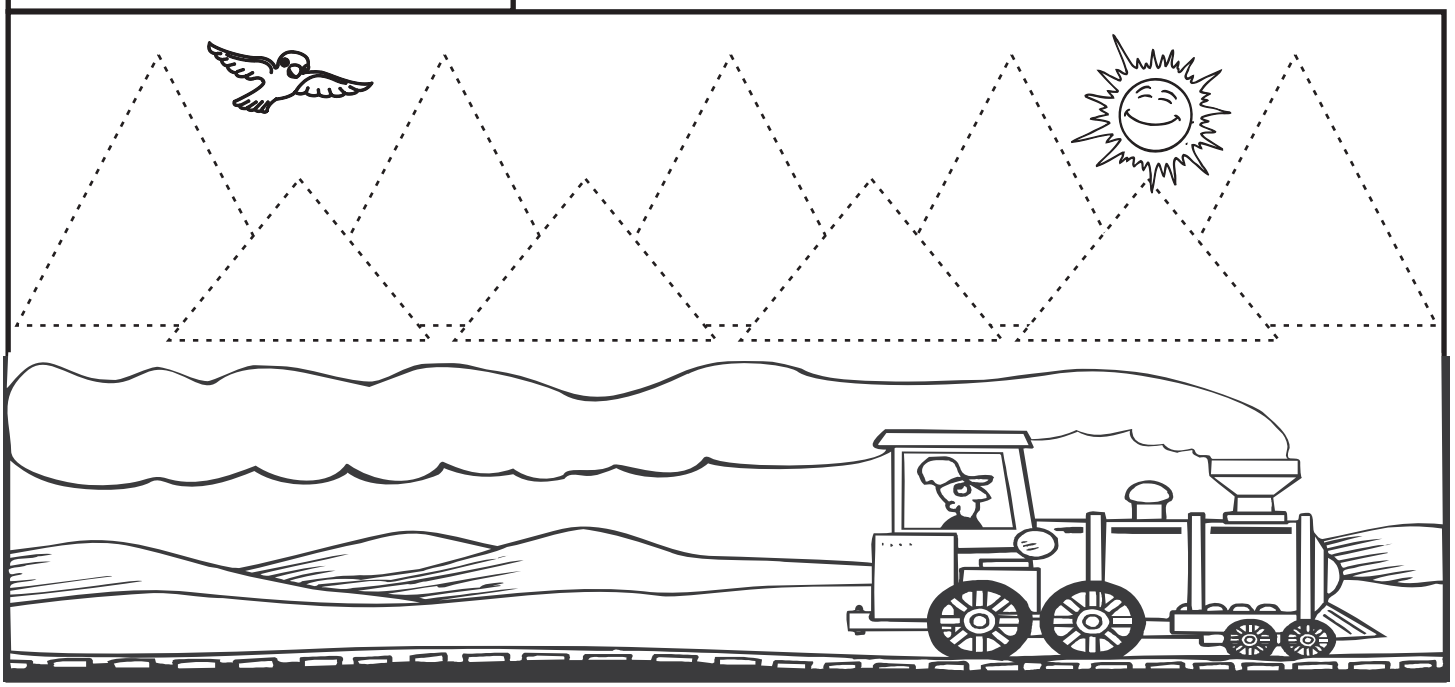


5

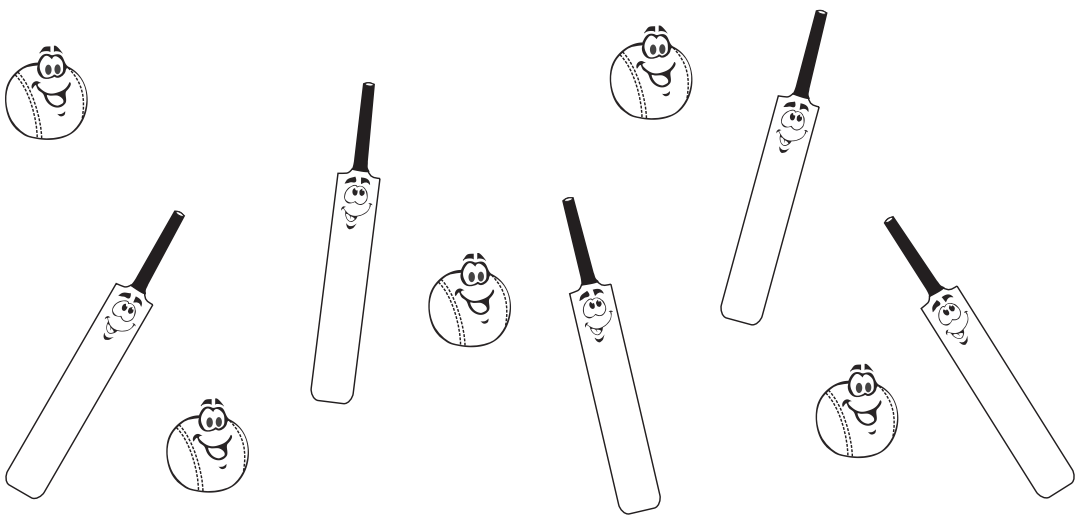
1

Colour the triangles.

Trace the triangle picture.



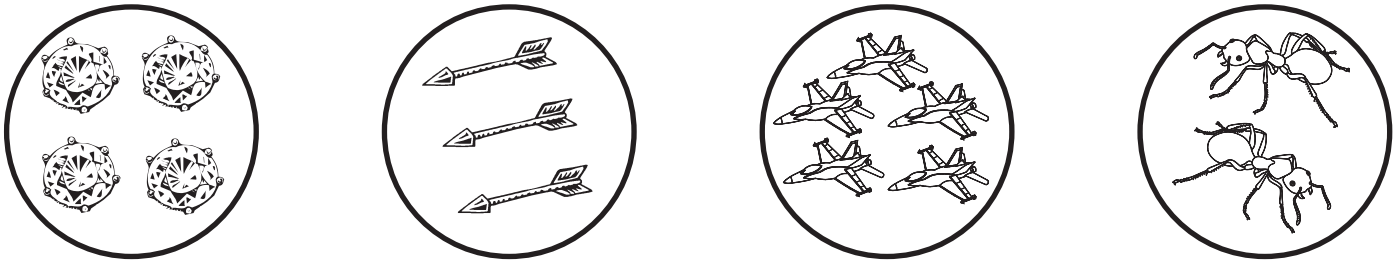
Match the balls to the bats.



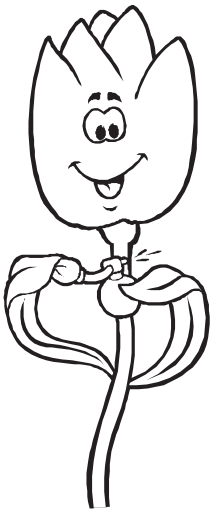
How many balls?

How many bats?

Colour the smallest group.

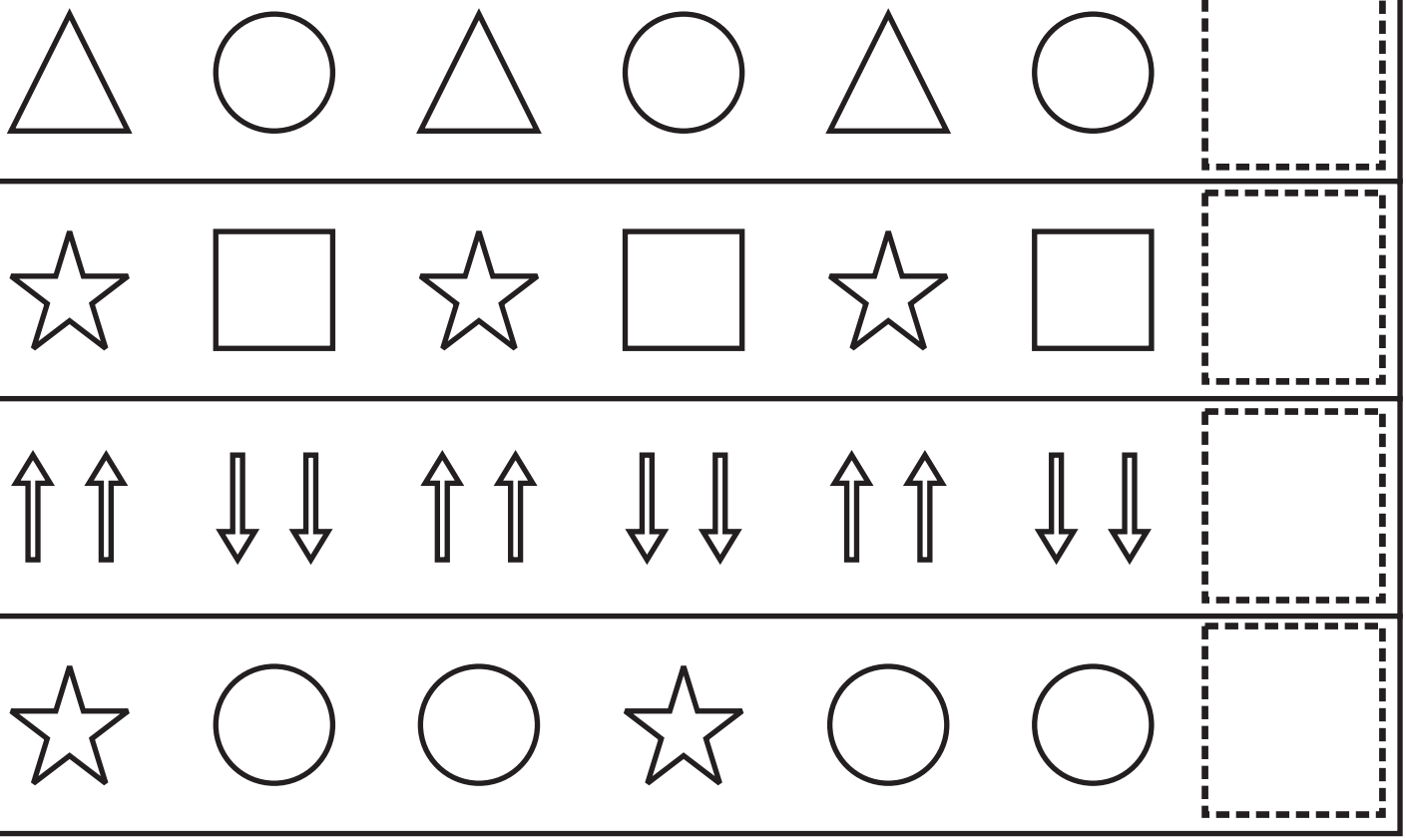


Draw 3 more flowers. How many altogether?

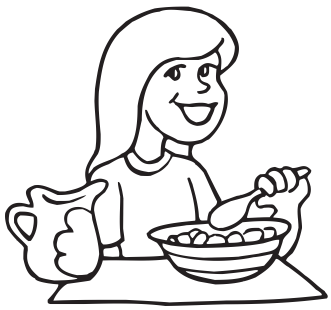


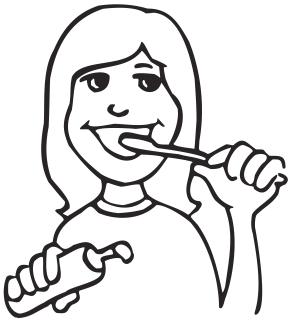
How many?

Finish the patterns.



Colour the things you do in the morning green and in the afternoon red.

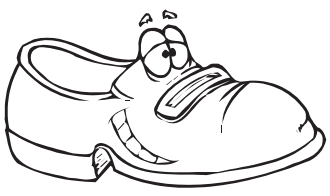


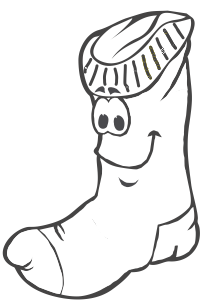


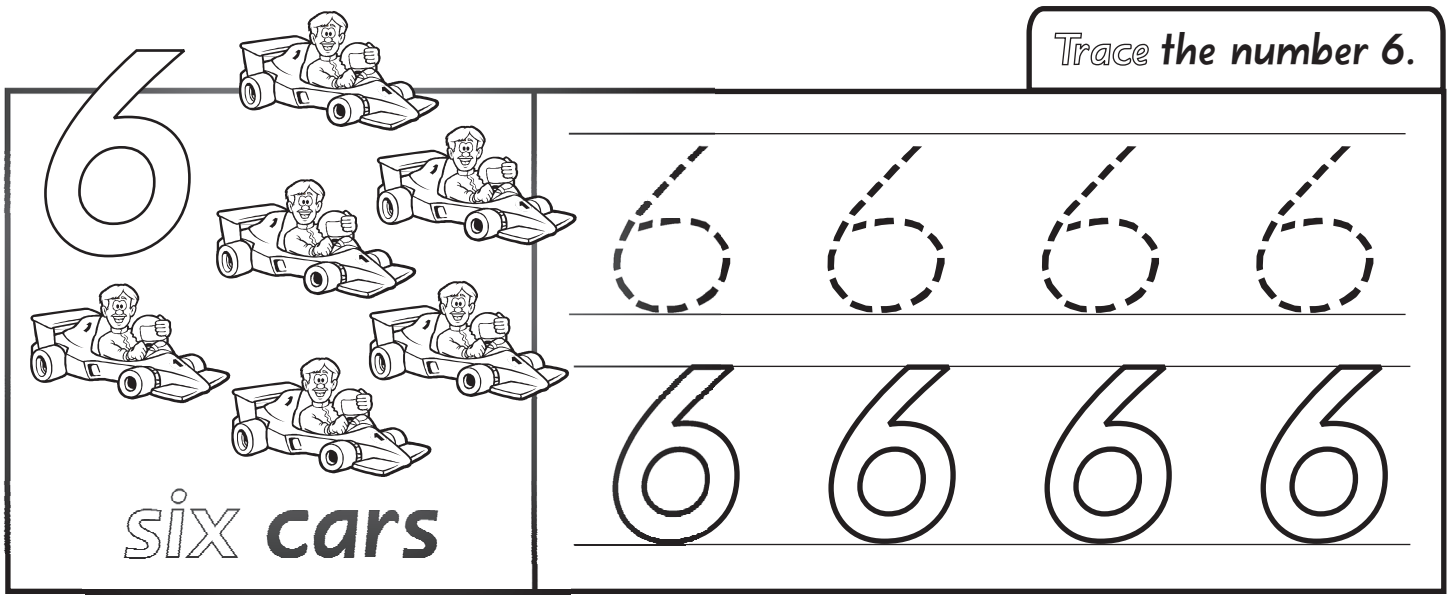
Draw something that you did yesterday.

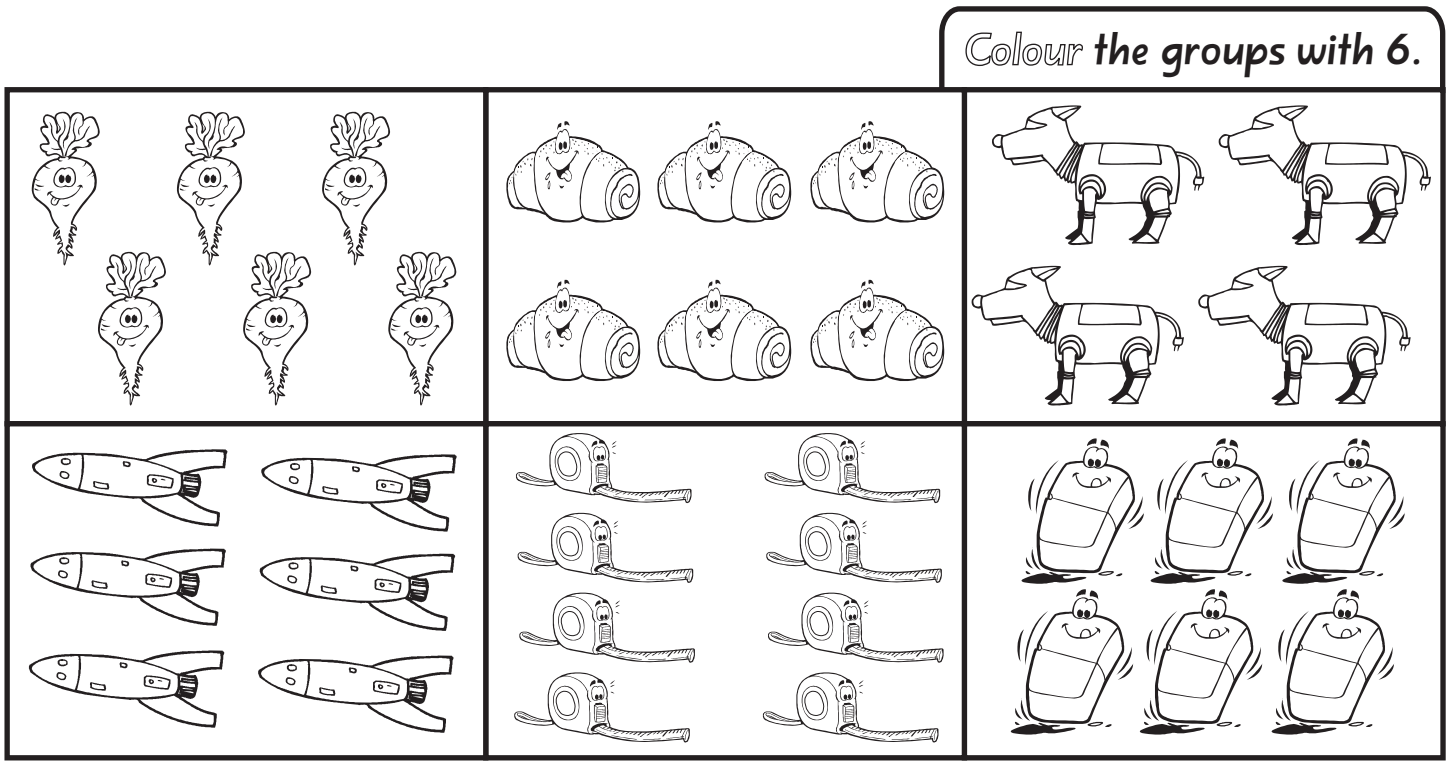
Draw something that you might do tomorrow.

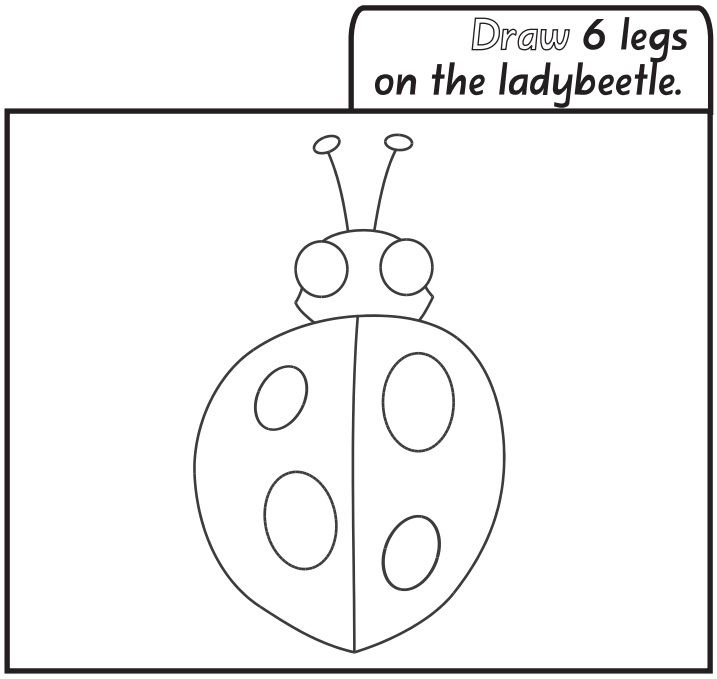
Join and colour the things that belong together.

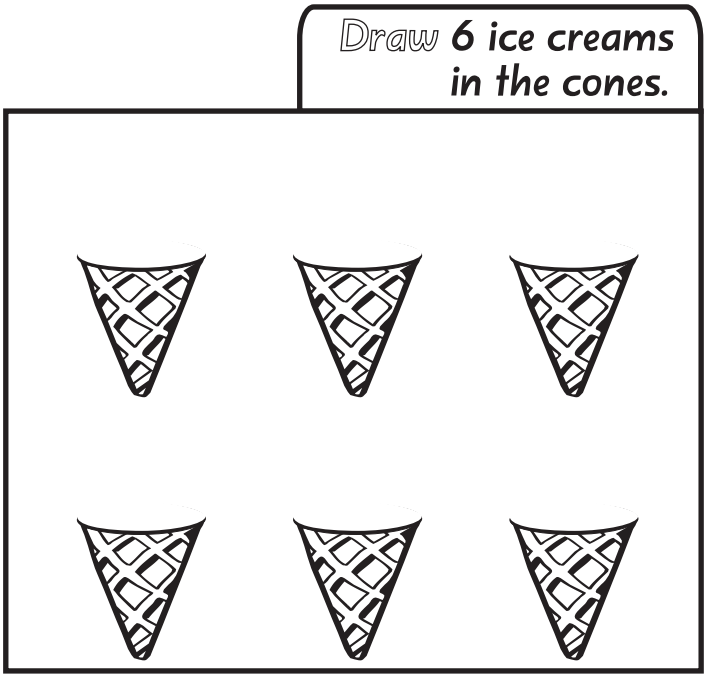





Trace the number 6.
6
six cars


Colour the groups with 6.

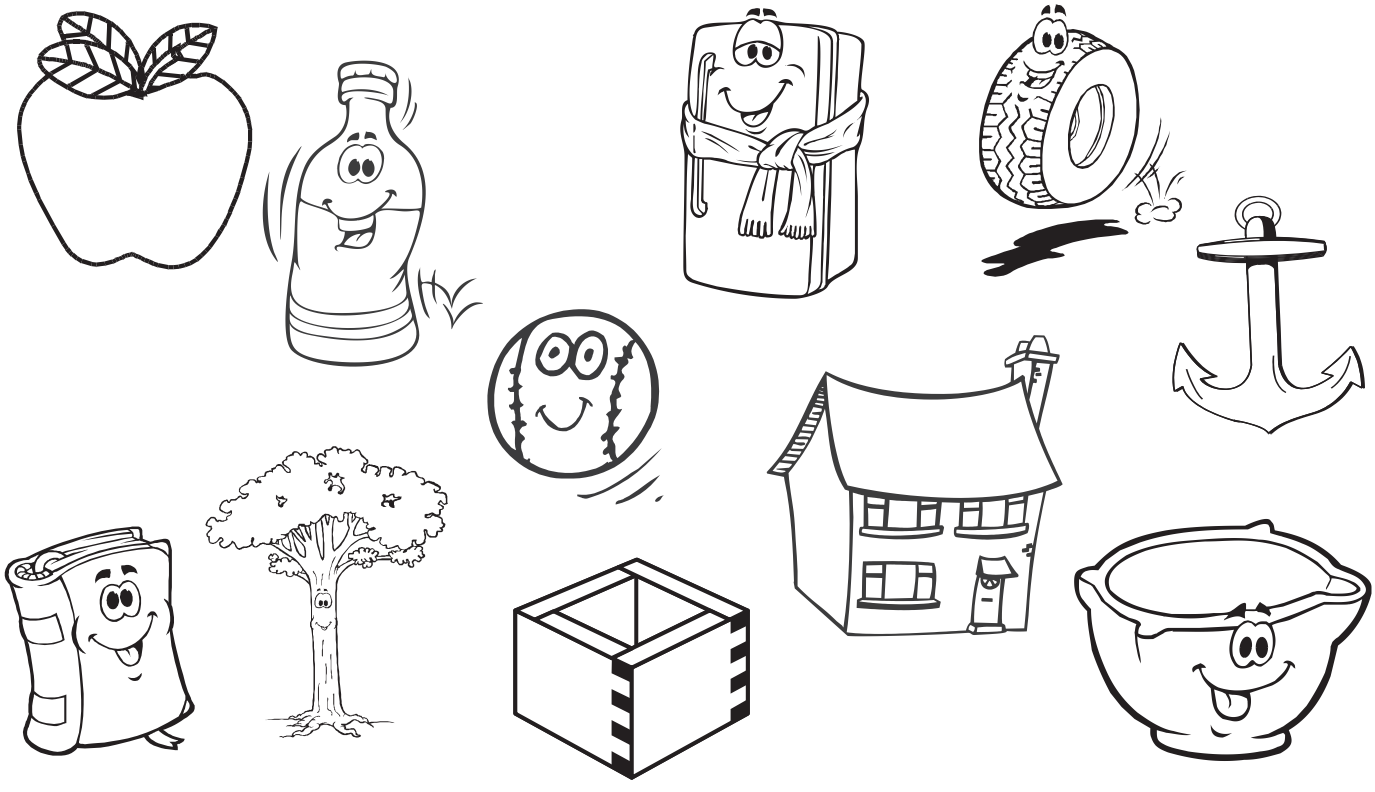

Draw 6 legs on the ladybeetle.


Draw 6 ice creams in the cones.

Draw something longer than this book.

Draw something shorter than this snake.

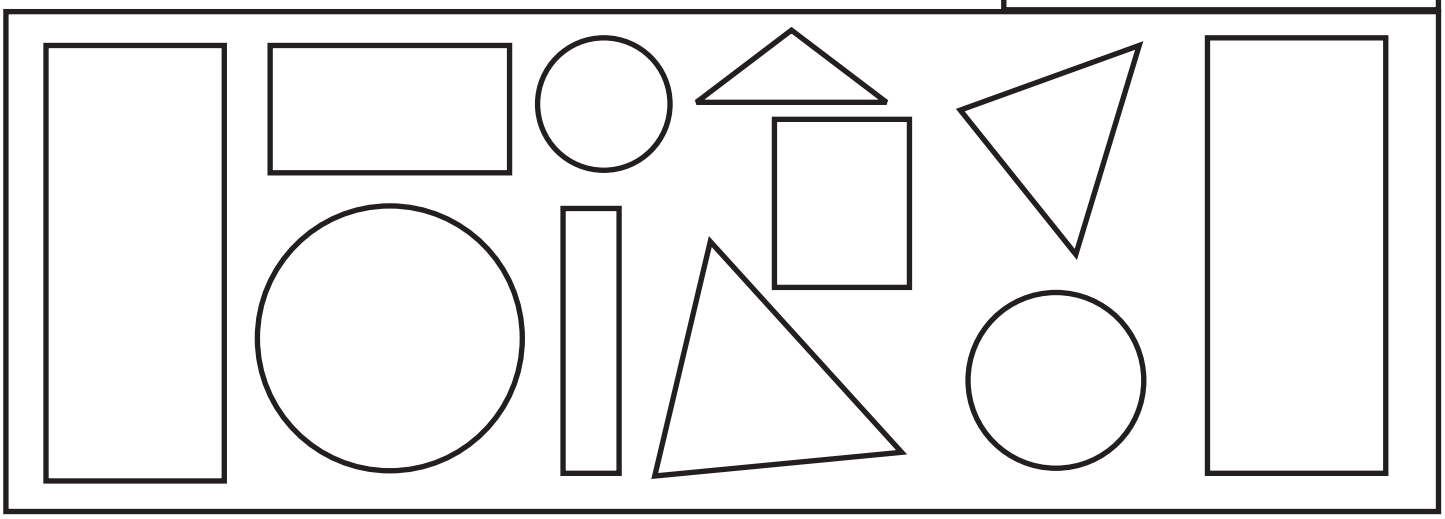
Colour the things that can roll red and the things that slide blue.



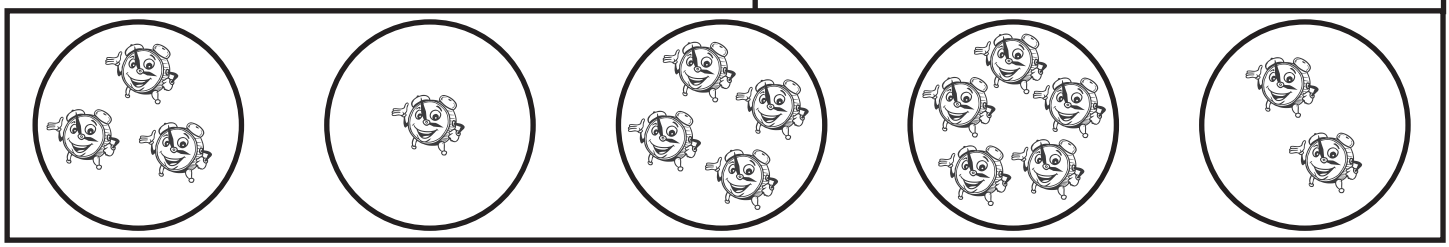
Colour the 6 that has a different pattern.

6 6 6 6 6

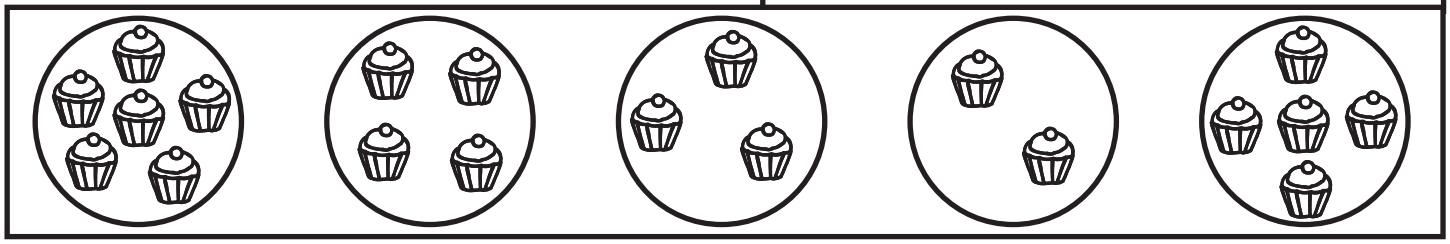
Colour the rectangles.



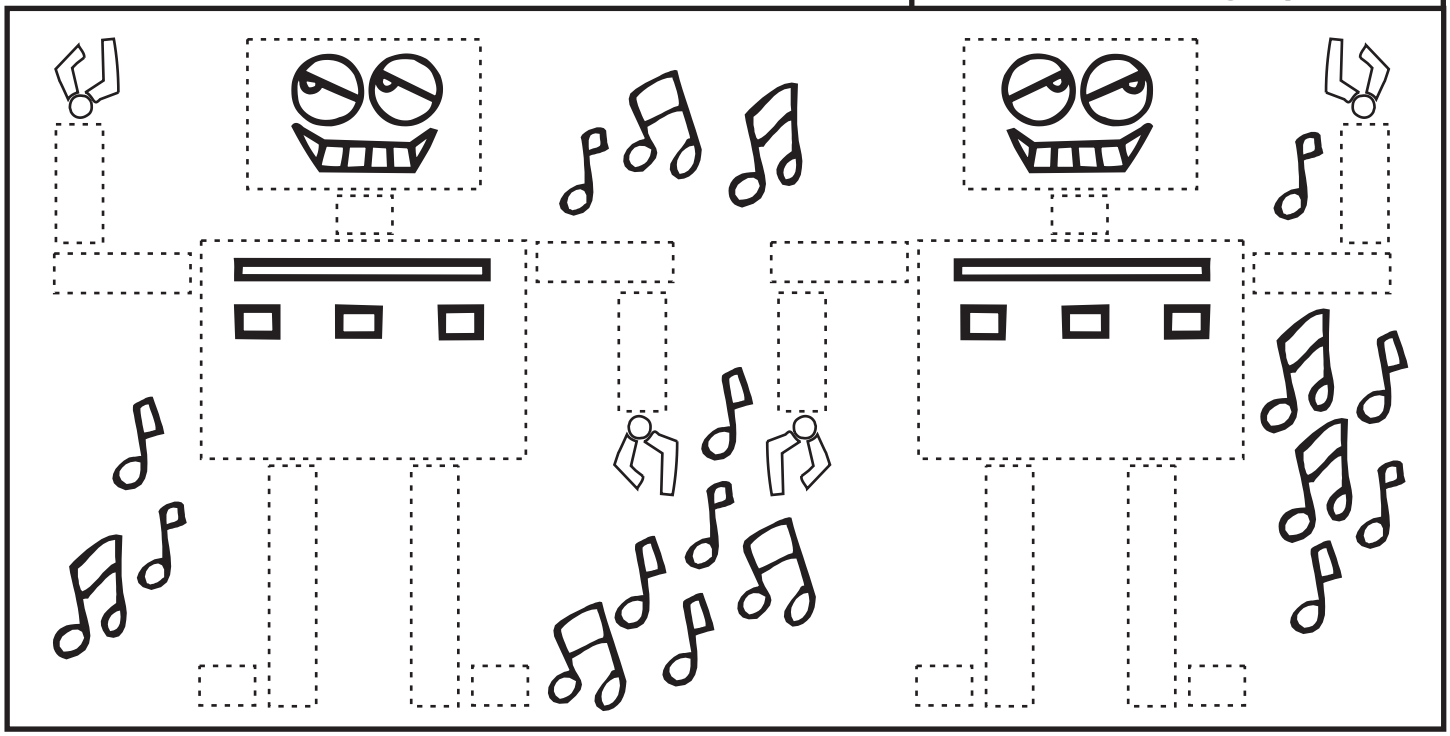
Colour the group that has the most.



Colour the group that has the least.



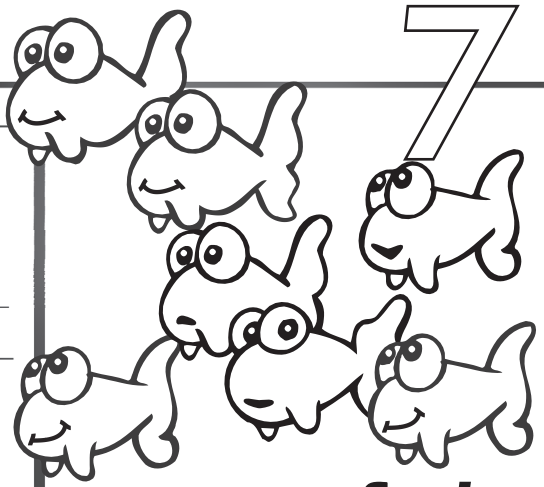
Trace the rectangle picture.



Trace the number 7.

7 7 7 7

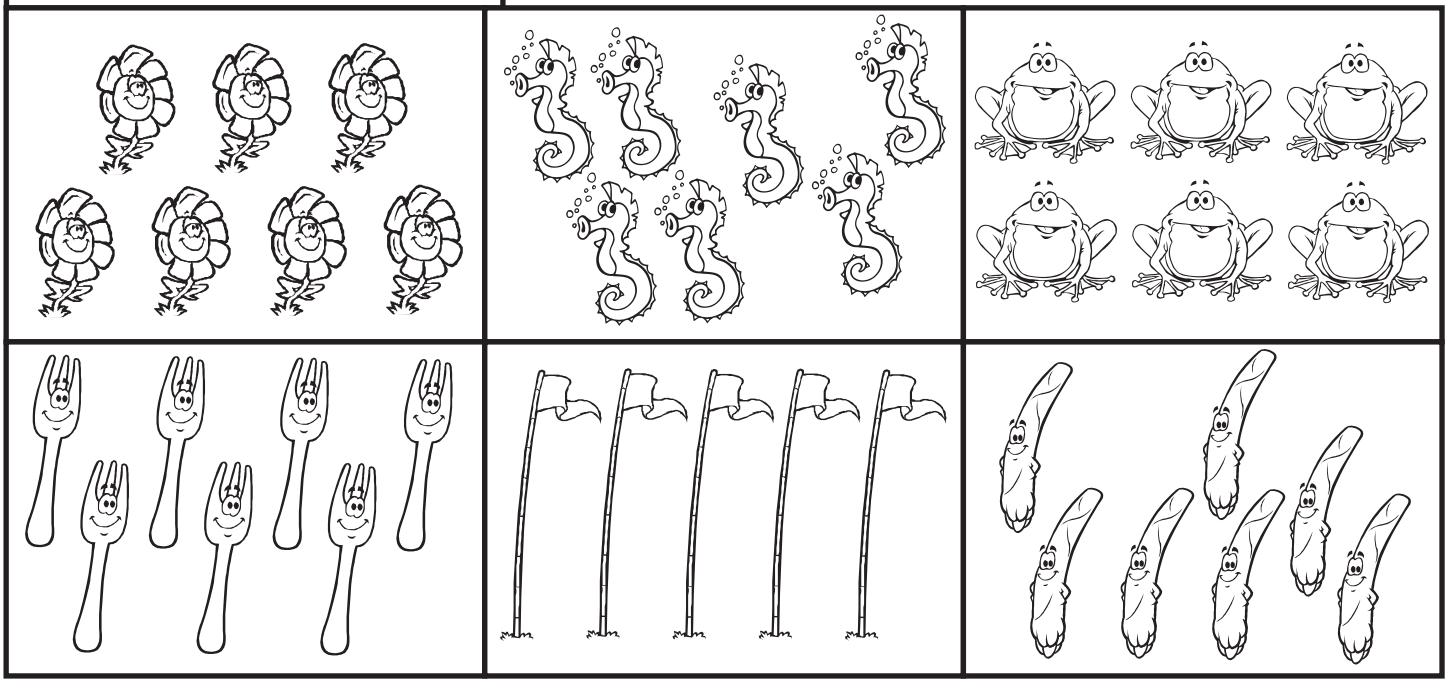
7 7 7 7



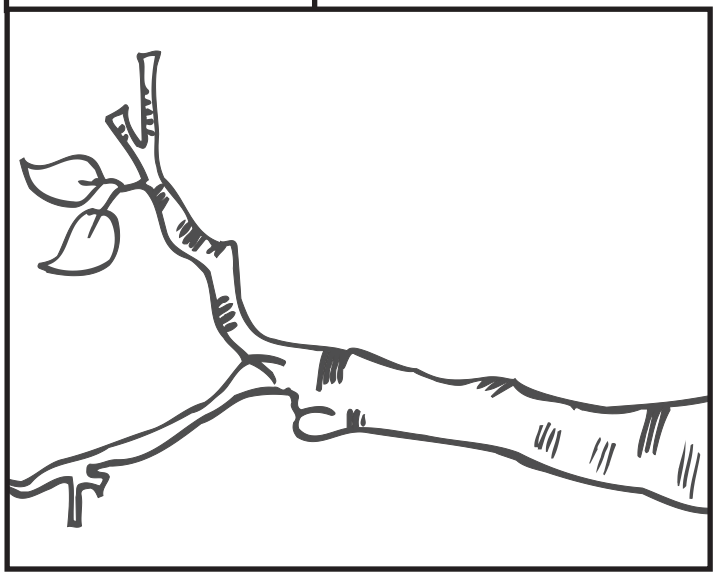
7

seven **fish**

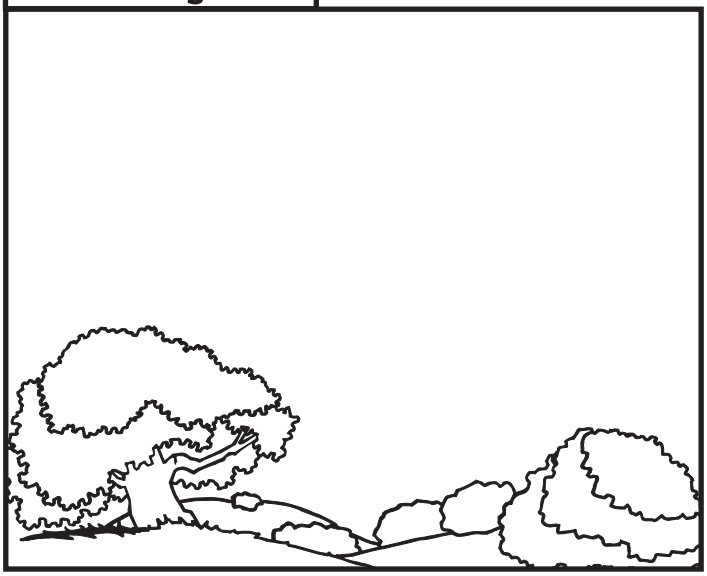
Colour the groups with 7.



Draw 7 birds on the branch.



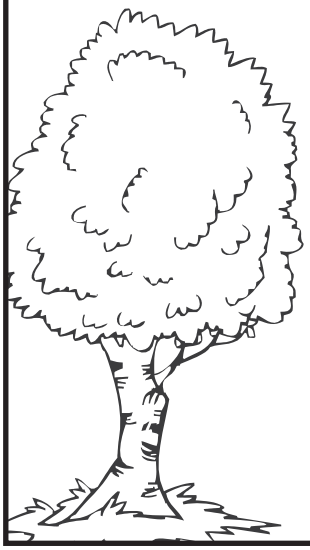
Draw 7 clouds in the sky.



© Burrabooks

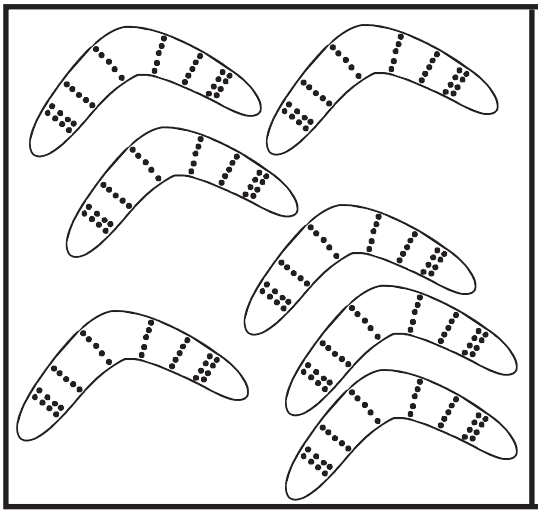
Draw an Easter egg near the rabbit.

Draw a car far away from the tree.

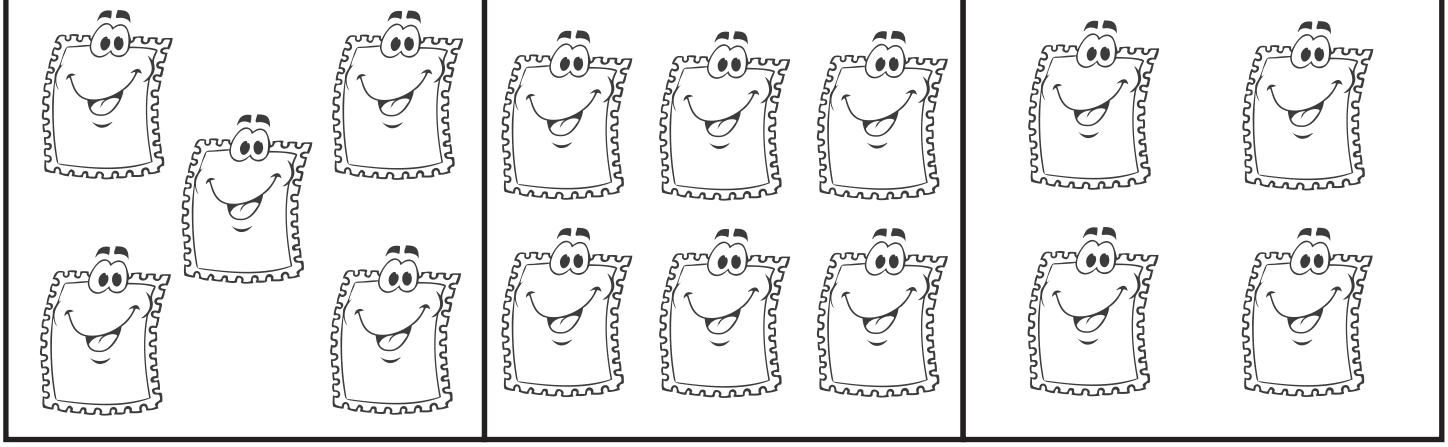


Colour the arrows pointing right red and those pointing left green.

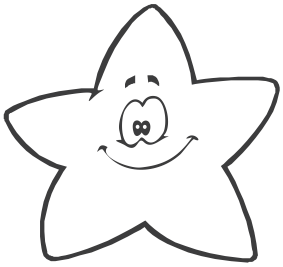
Draw a group with the same number of things.



Colour the largest group blue, the middle size group yellow and the smallest group red.

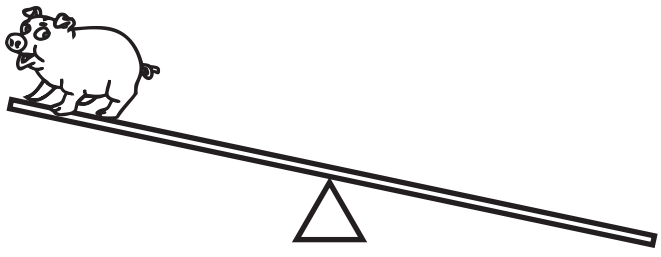


Draw 4 more stars. How many altogether?

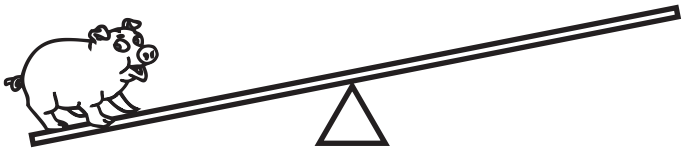


How many?

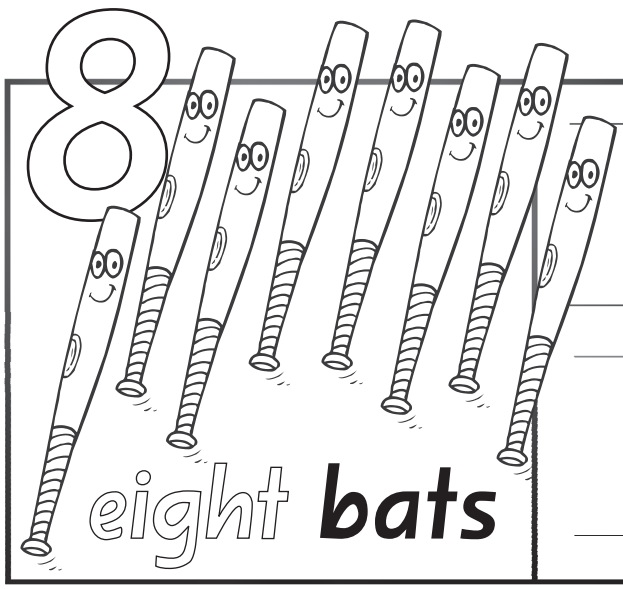
Draw something that is heavier than the pig.



Draw something that is lighter than the pig.



© Burrabooks

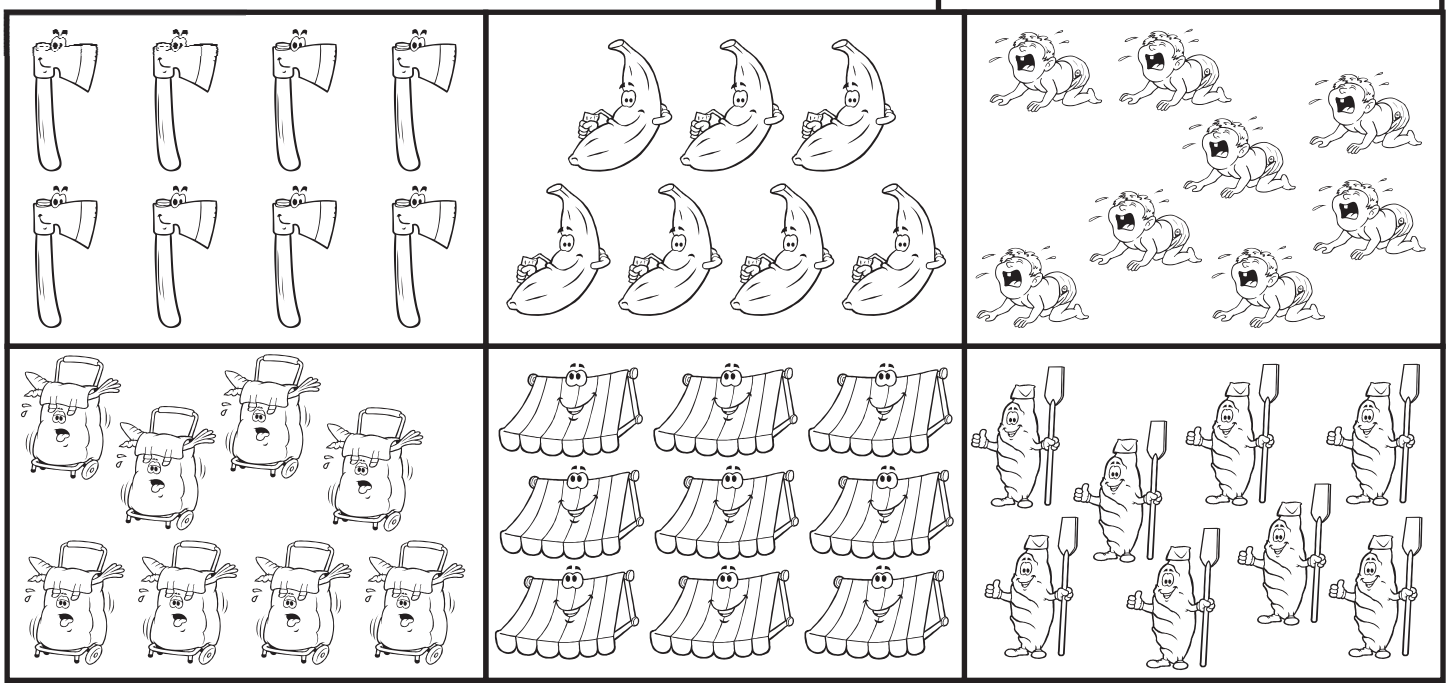


Trace the number 8.

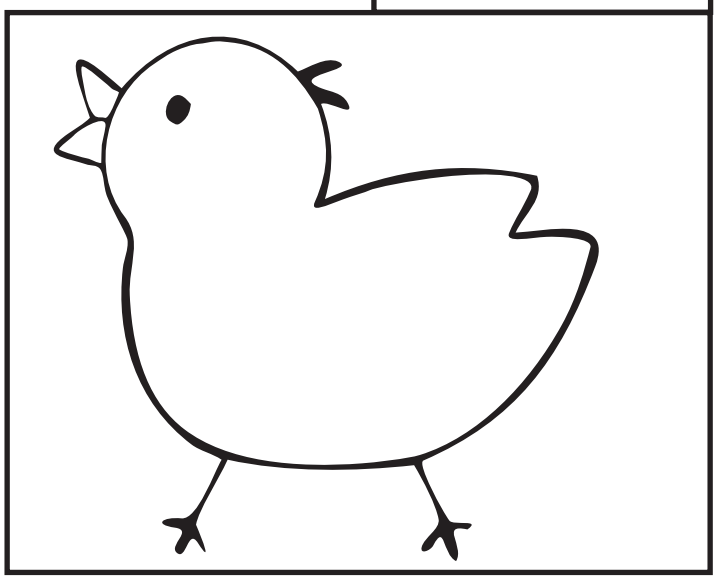
8 8 8 8

8 8 8 8

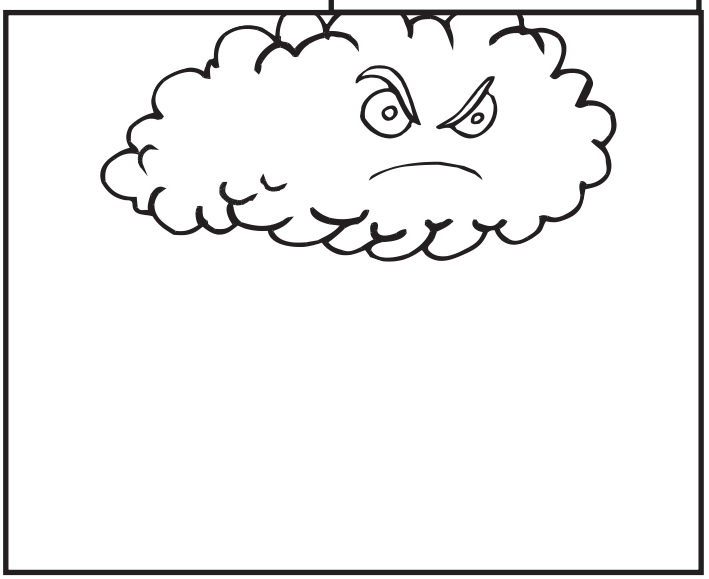
Colour the groups with 8.



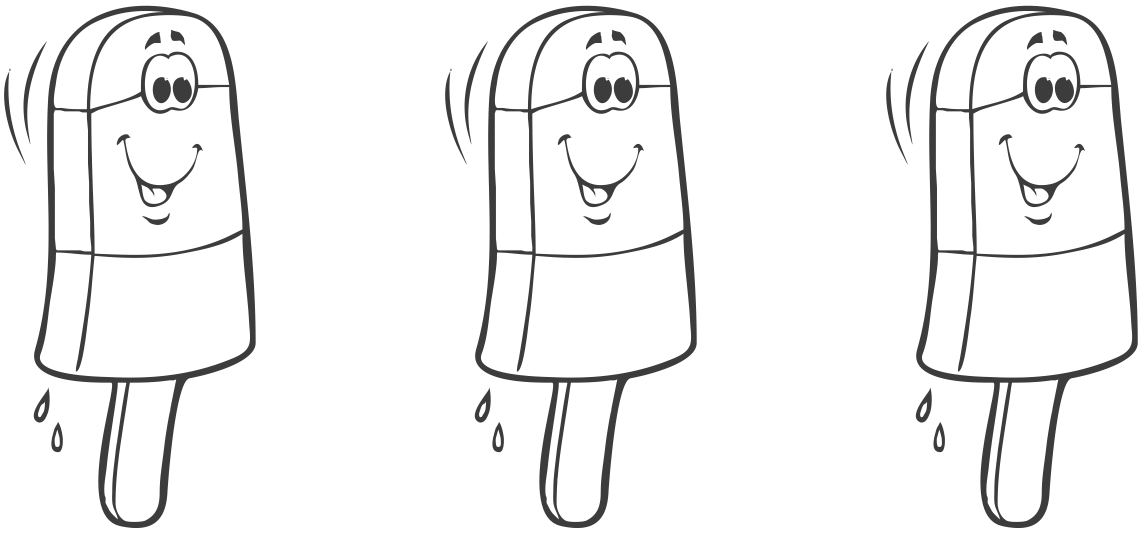
Draw 8 feathers on the bird.



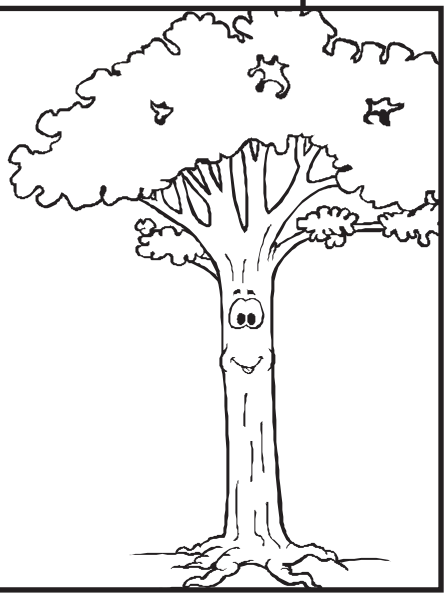
Draw 8 raindrops under the cloud.



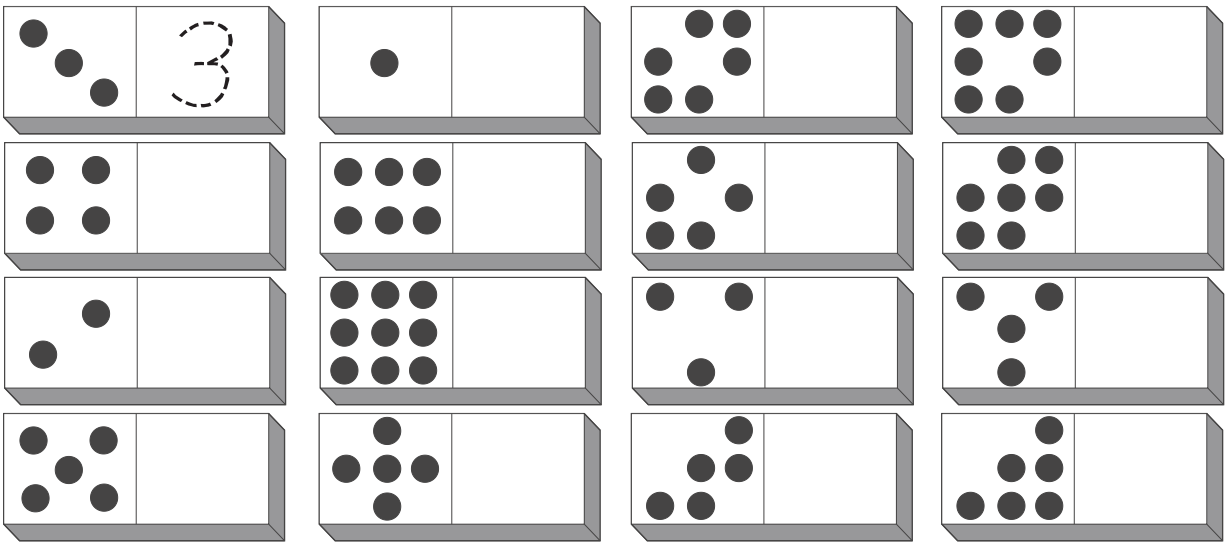
Colour the ice cream on the right blue, the ice cream on the left yellow and the middle ice cream pink.



Draw a dog closer to the tree and a flower further away from the tree.



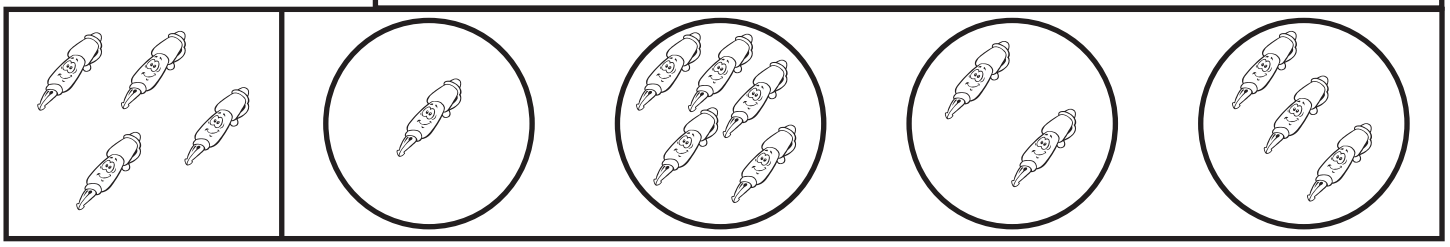
Write the number of dots on each domino.



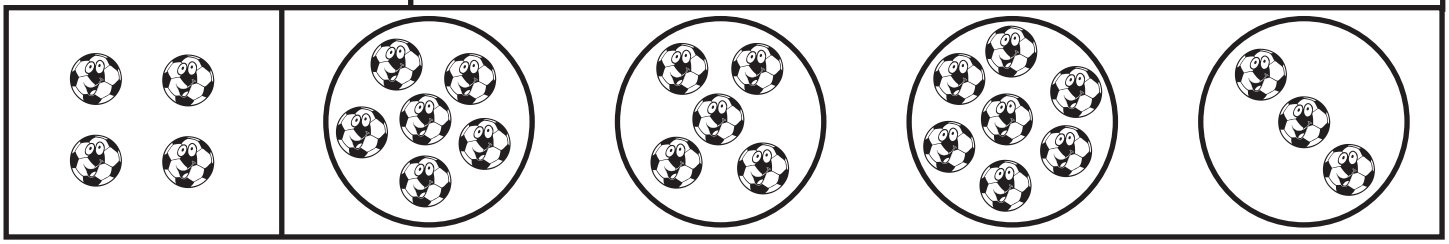
Write the missing numbers.

1 2 ..... 4 5 6 8

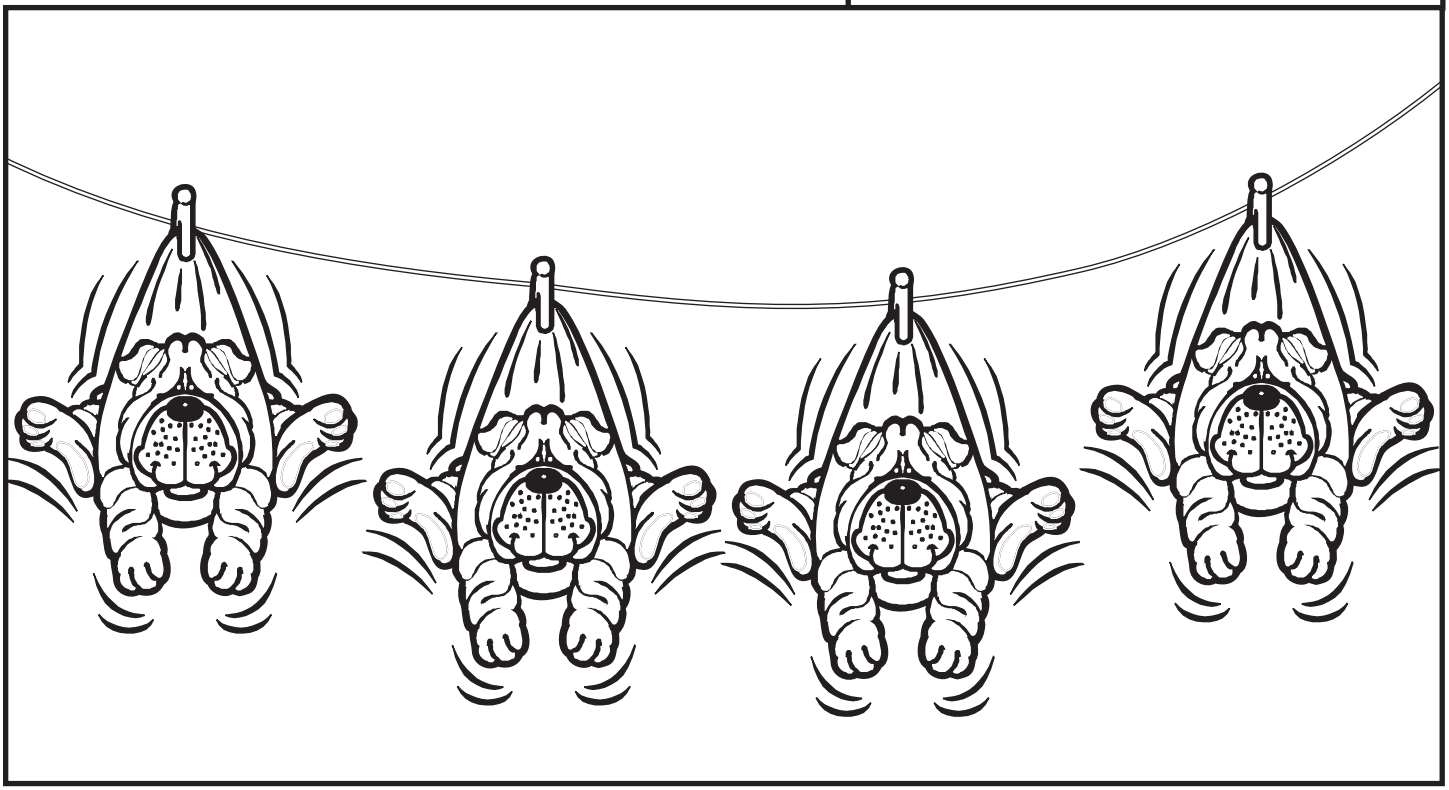
Colour the group that has more than the one in the box.



Colour the group that has less than the one in the box.



Colour the first puppy green.
Colour the last puppy yellow.



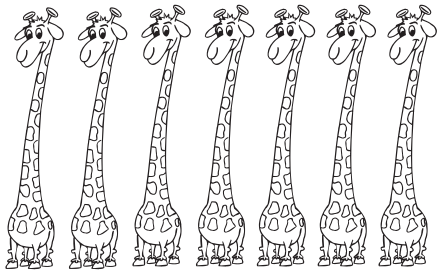
Trace the number 9.

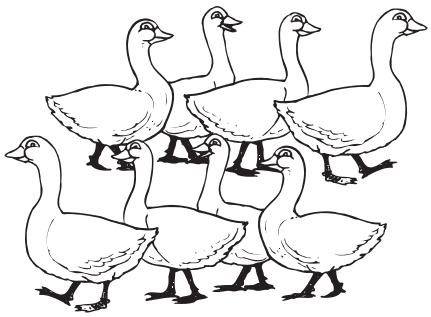
9 9 9 9

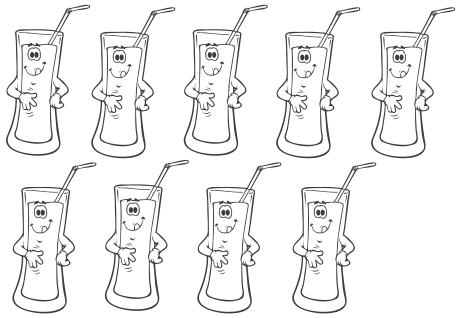
9 9 9 9

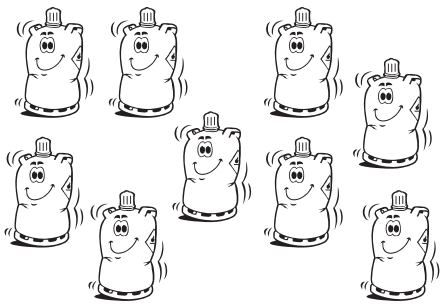
nine **flags**

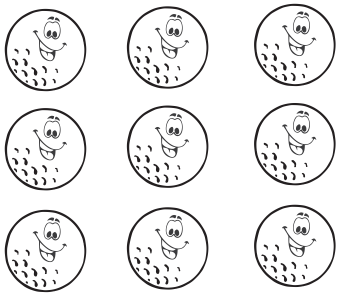
Colour the groups with 9.

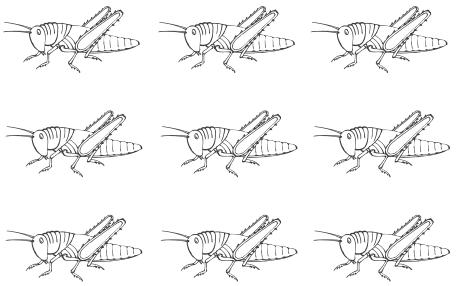




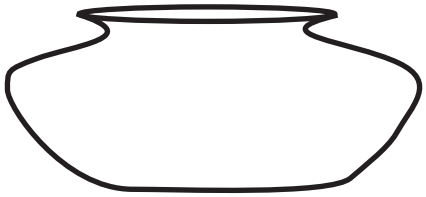




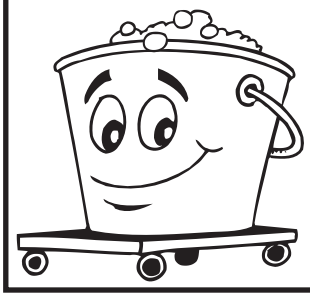




Draw 9 flowers in the vase.

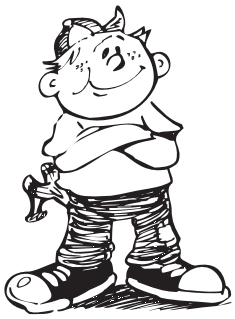


Draw 9 bubbles floating in the air.

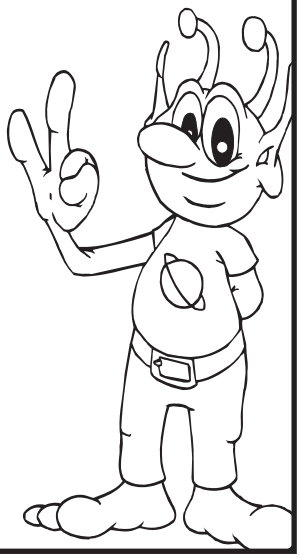


© Burrabooks

Draw a taller boy.



Draw a shorter alien.



Colour the squares to match each number.

4

1

5

8

6

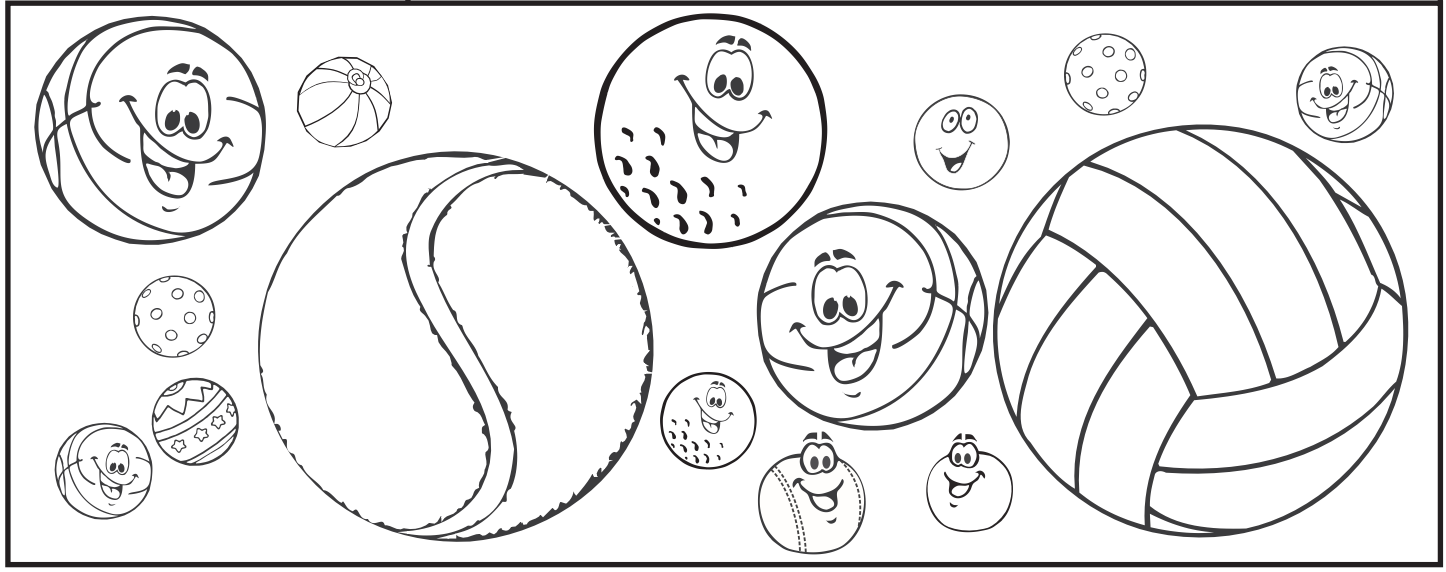
9

3

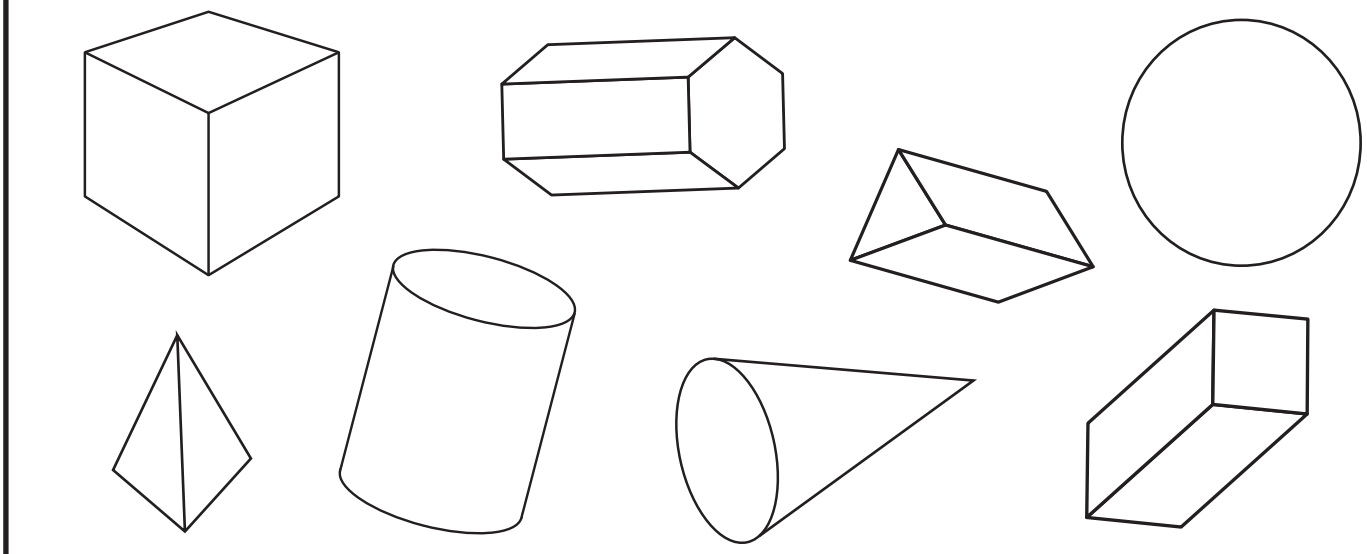
2

7

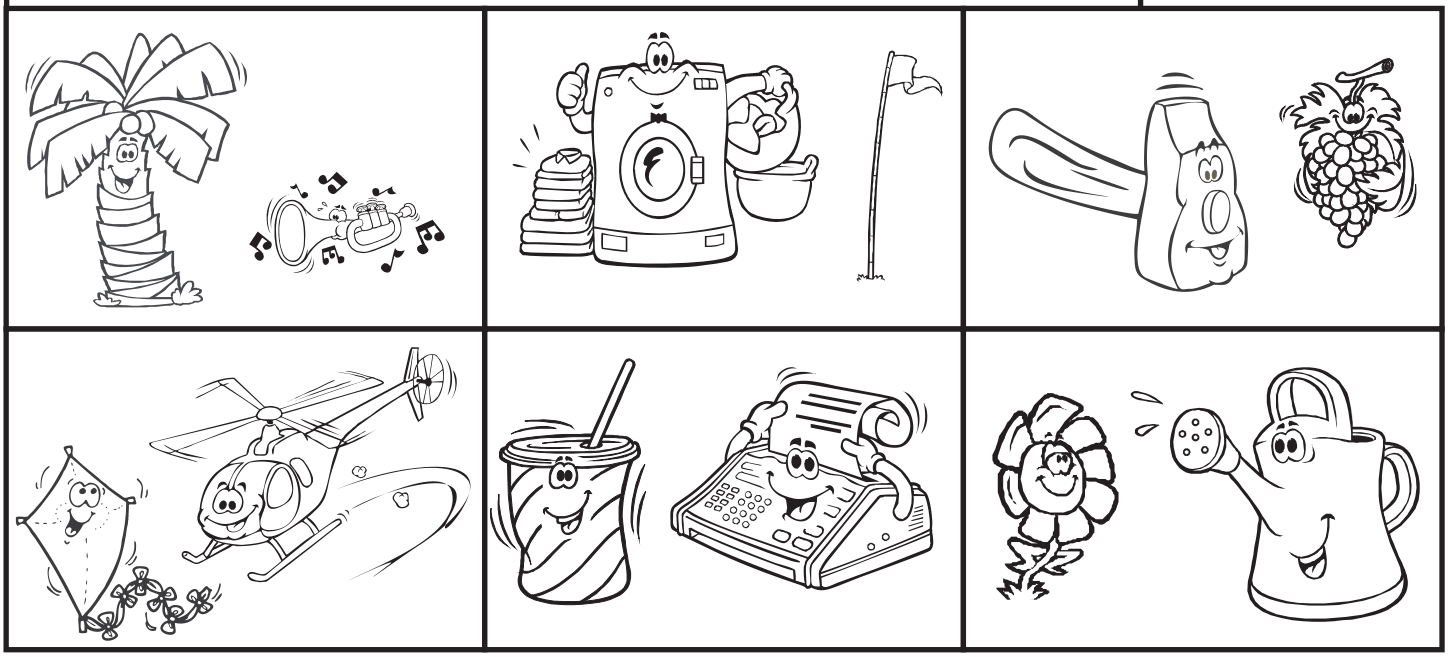
Colour the smallest balls blue and the biggest balls red.
Colour the middle size balls yellow.



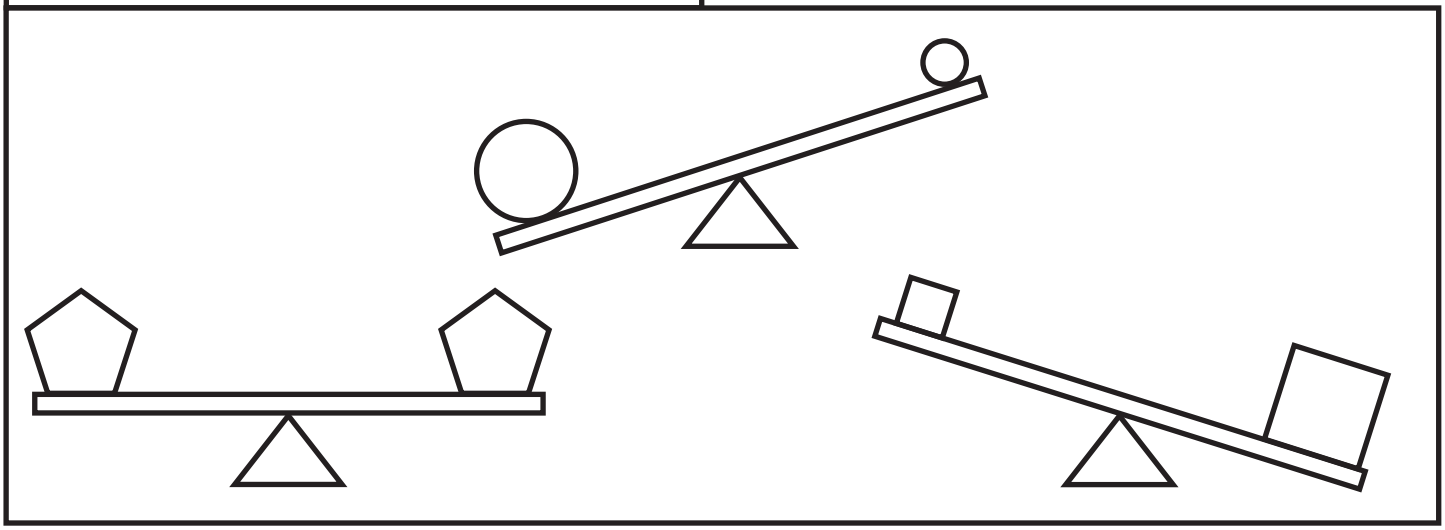
Colour the things that stack red. Colour the things that roll yellow.



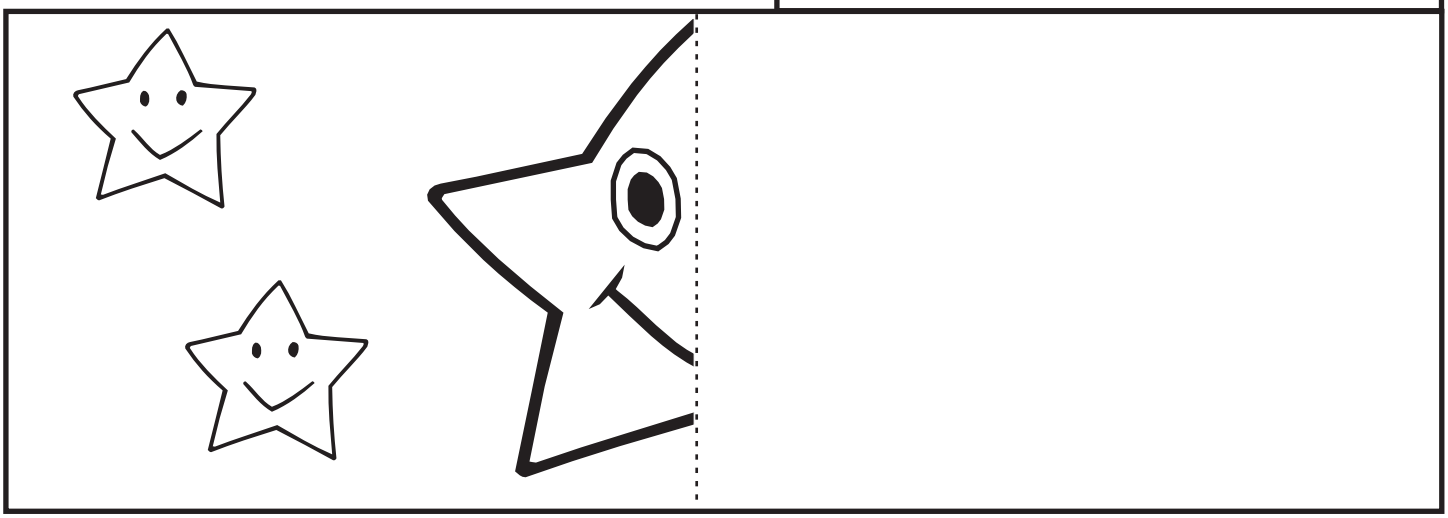
Colour the heavy things blue. Colour the lighter things green.



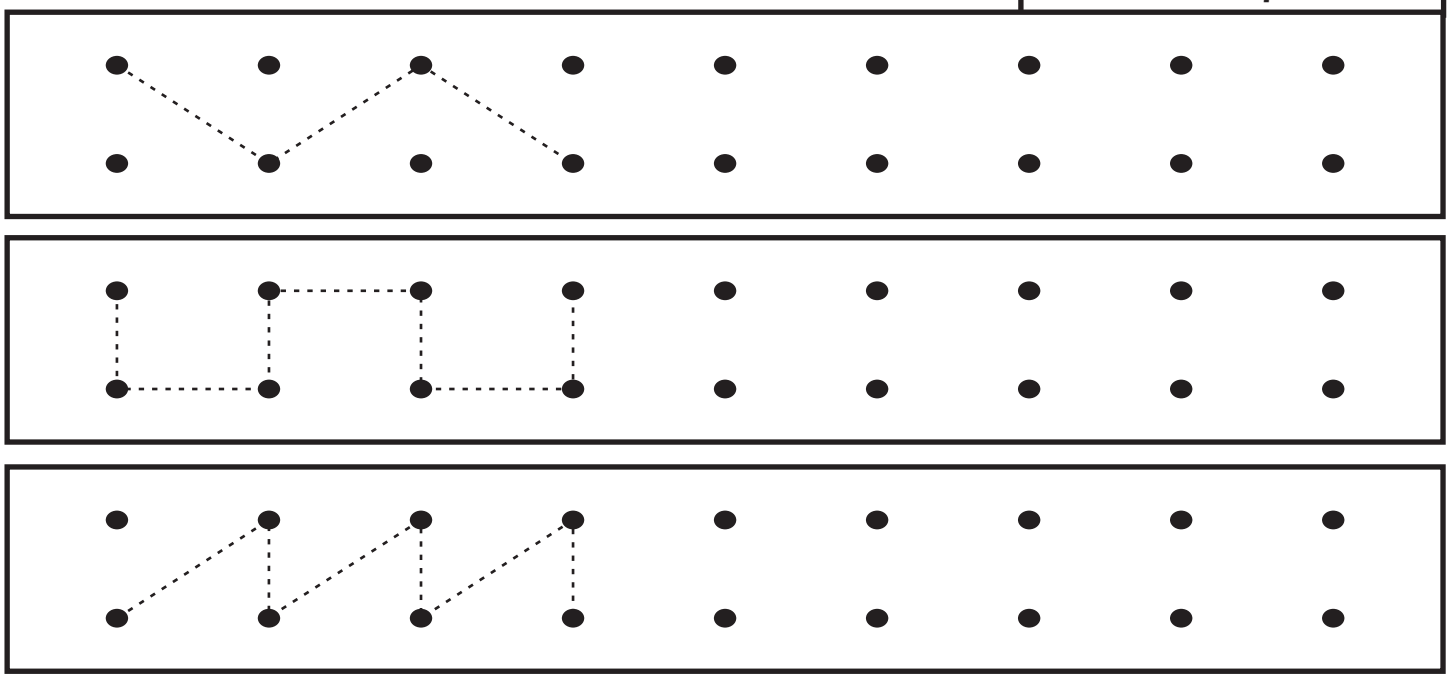
Colour the see-saw that is balanced.



Draw the other half of the picture.

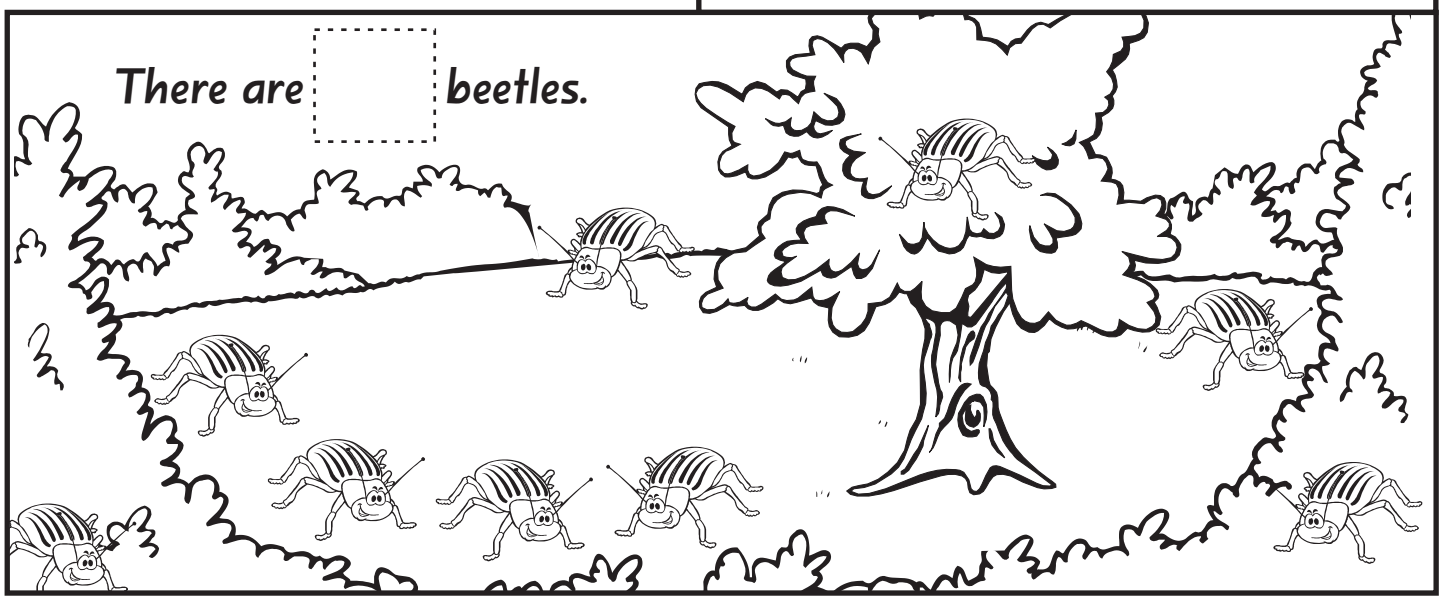


Finish these patterns.



Find all of the beetles and colour them.

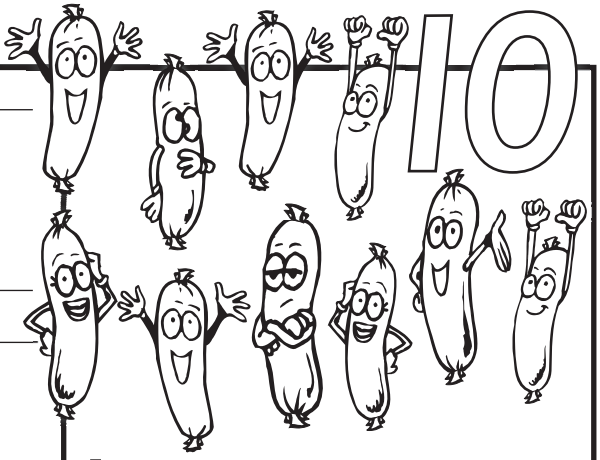
There are ☐ beetles.



Trace the number 10.

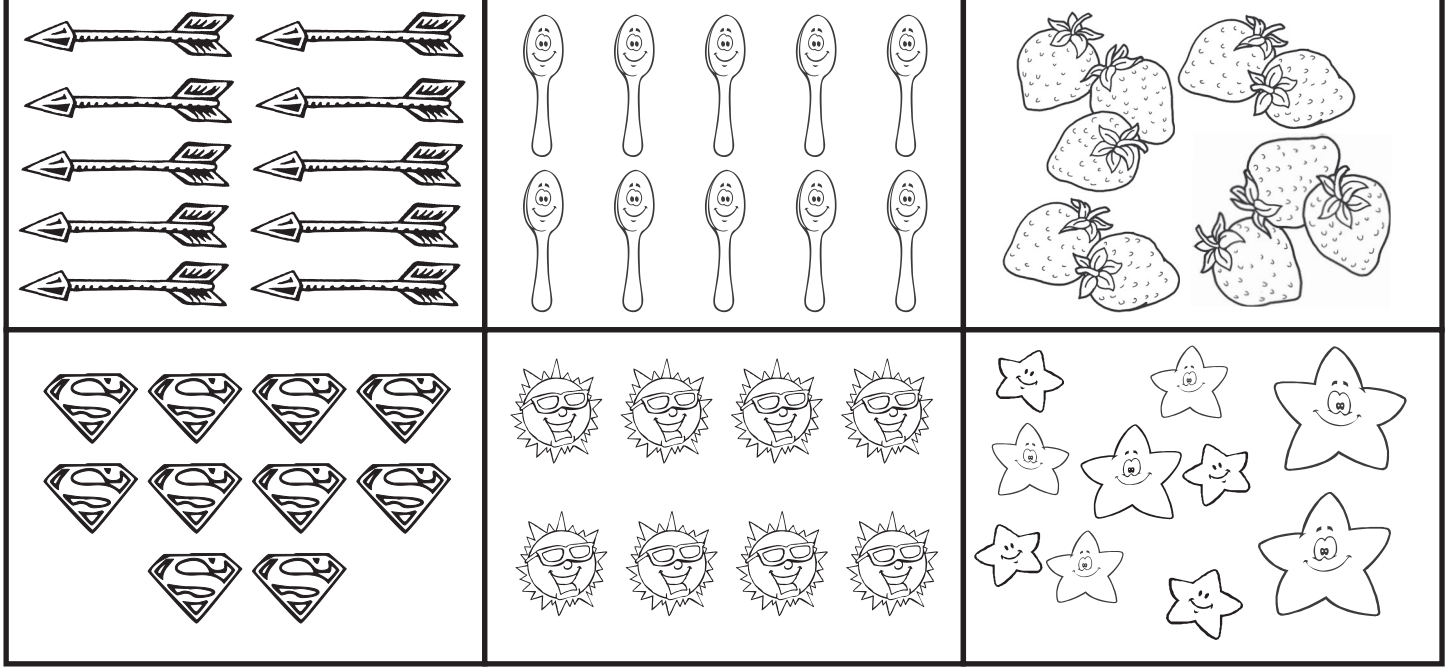
10 10 10

10 10 10

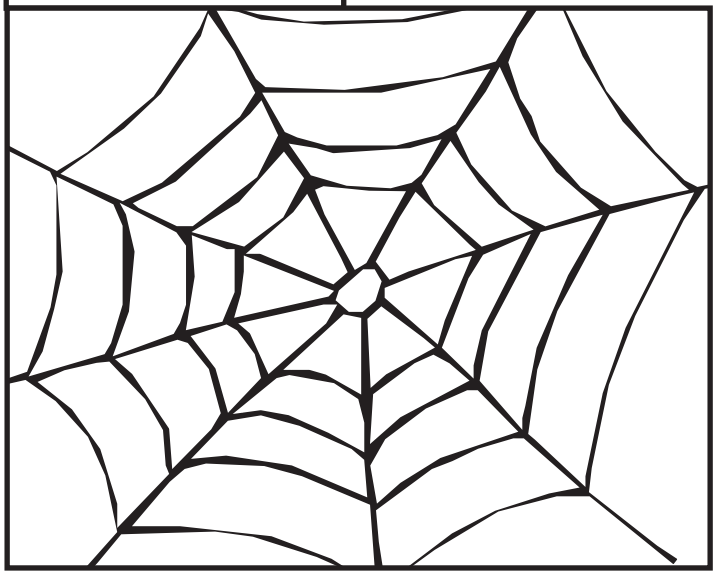


ten **sausages**

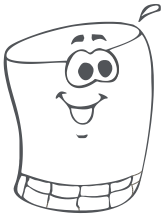
Colour the groups with 10.



Draw 10 spiders on the web.

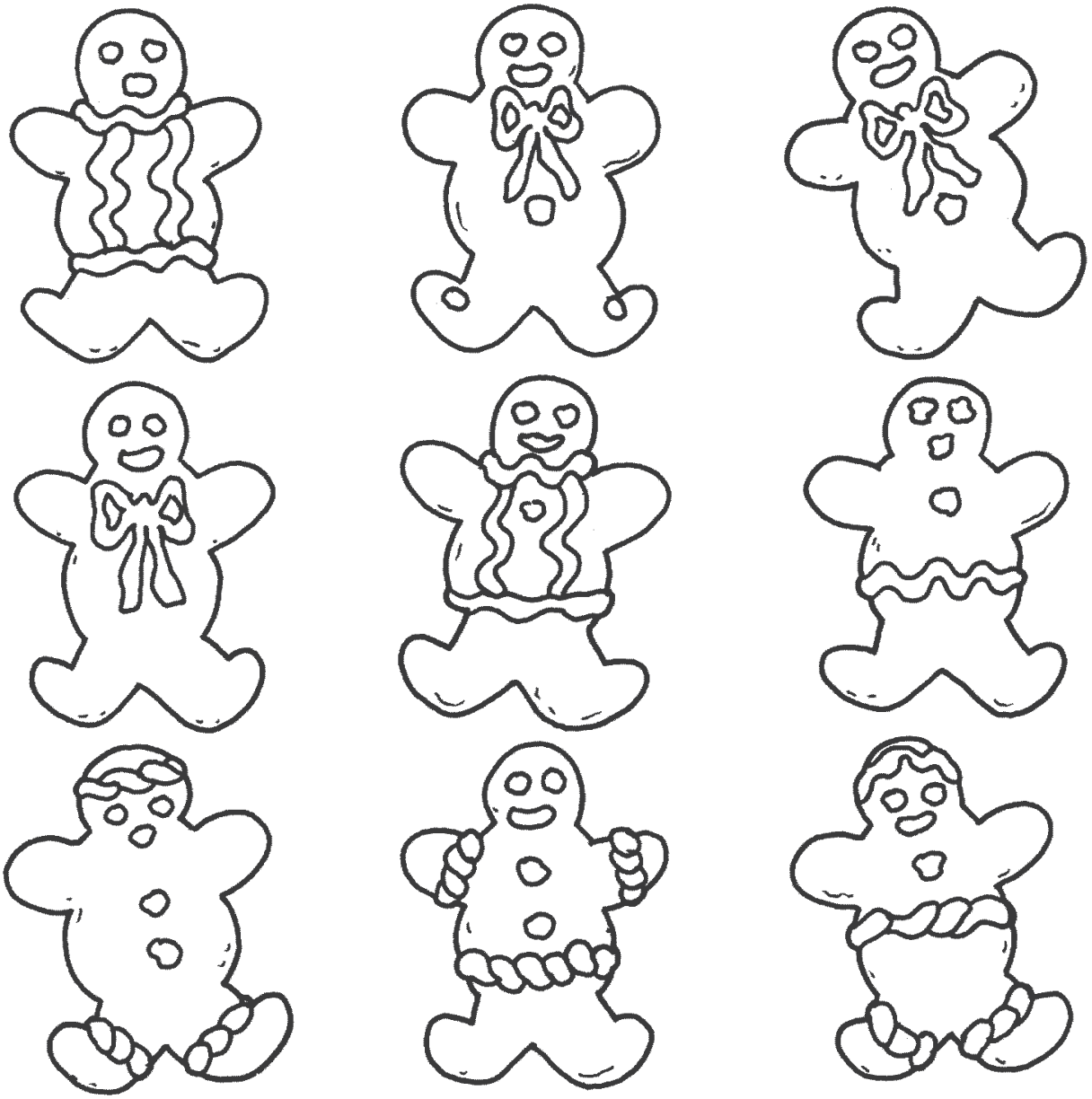


Draw 10 straws in the glass.



© Burrabooks

Count and colour the gingerbread people.

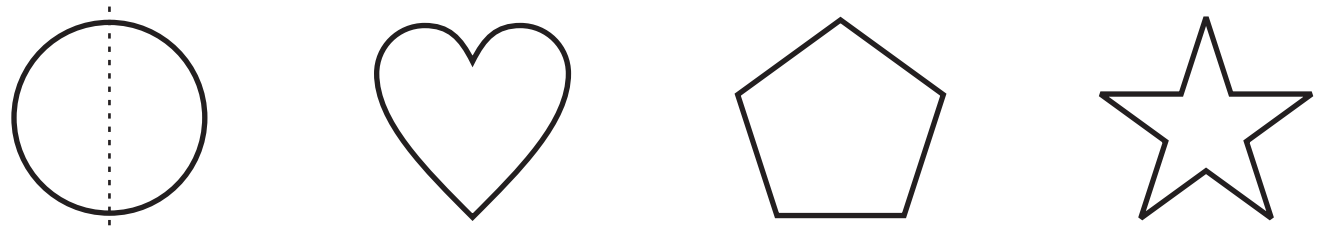


Colour 4 gingerbread people green.
Colour 2 gingerbread people red.
Colour 3 gingerbread people yellow.

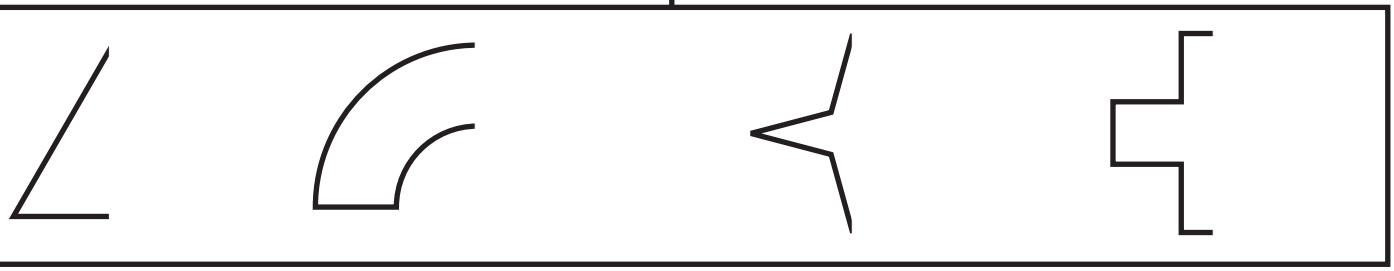
How many green and yellow?
How many red and green?
How many yellow and red?
How many altogether?

© Burrabooks

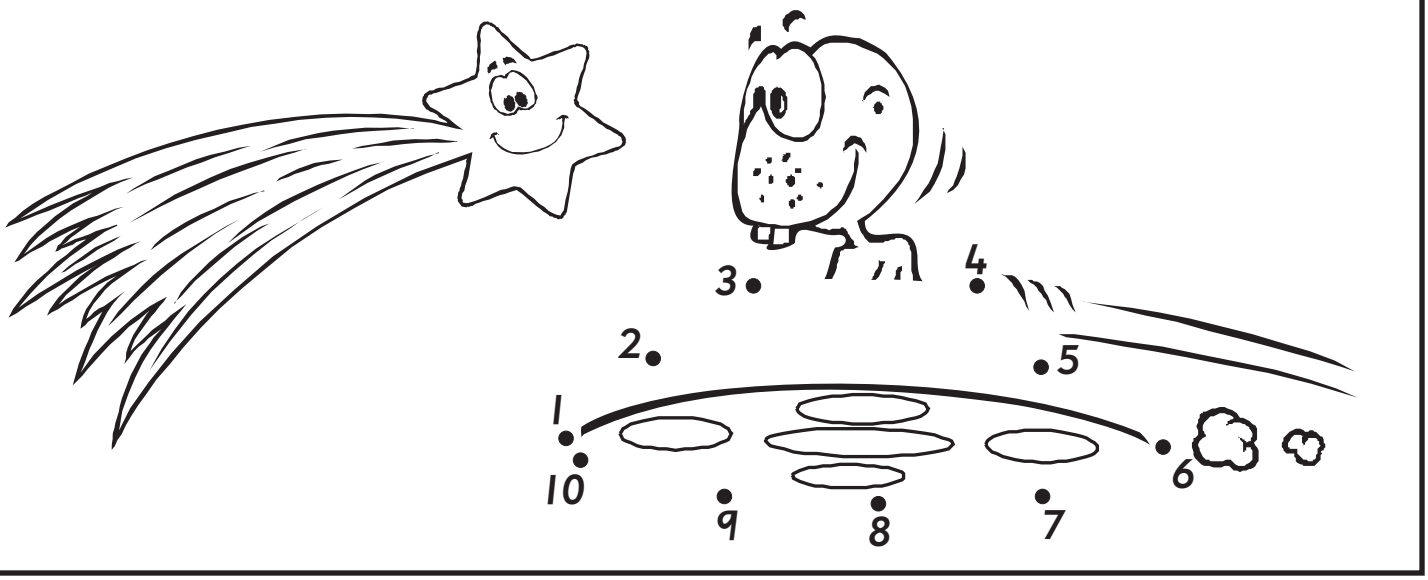
Draw in each line of symmetry.



Draw the other side of these pictures.



Join the numbers from 1 to 10.



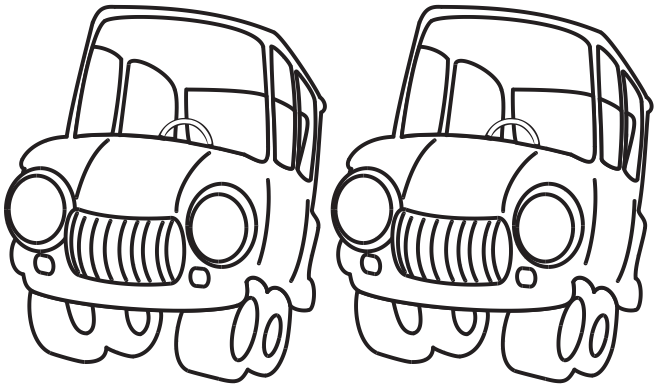
Colour the school days green. Colour the weekend days red.

Sunday	Thursday
Monday	Friday
Tuesday	Saturday
Wednesday	One week is ..... days.

Count the legs.

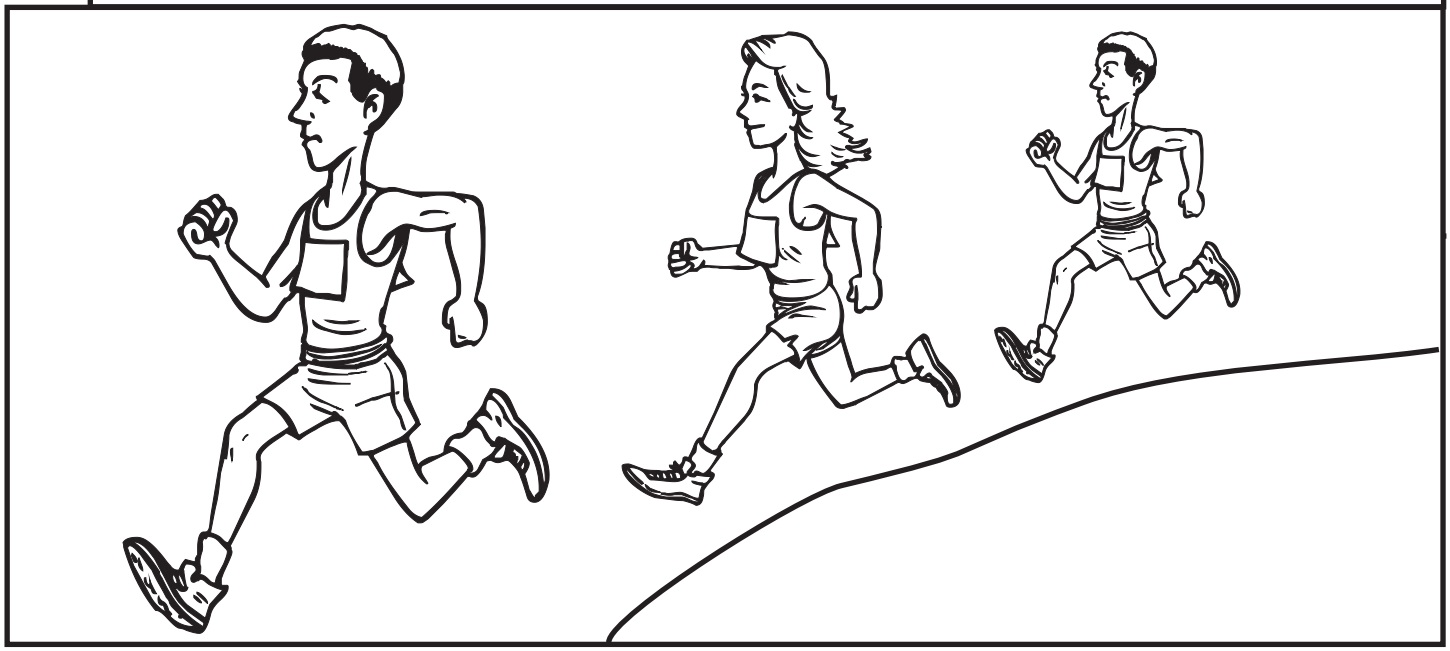
There are ..... legs.

Count the wheels.



There are ..... wheels.

Colour the first runner blue, the second runner yellow and the third green.

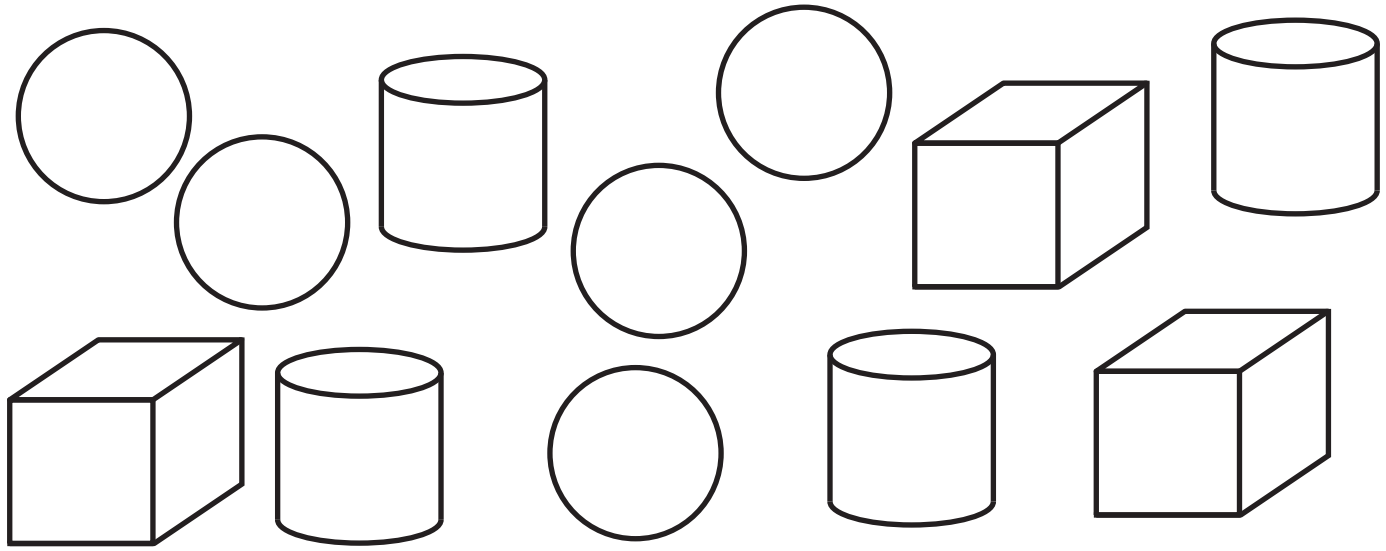


Write the missing numbers.

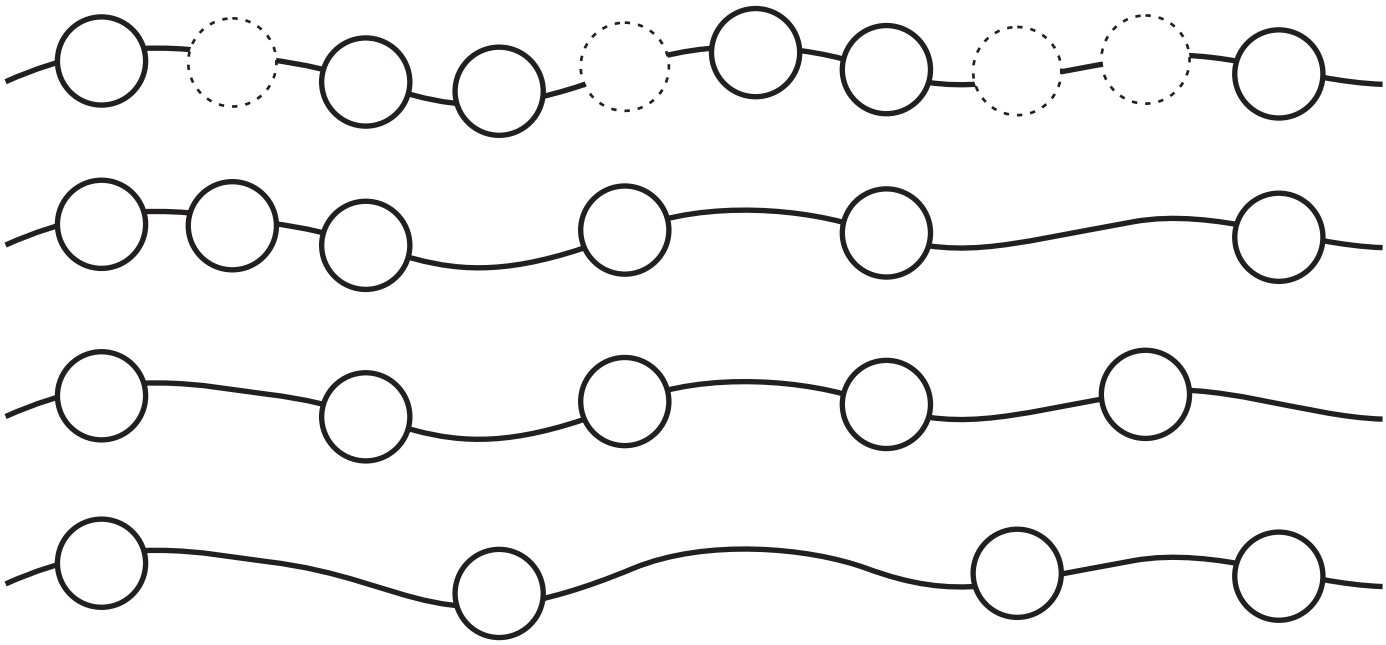
1 2 ..... 4 5

6 ..... 8 10

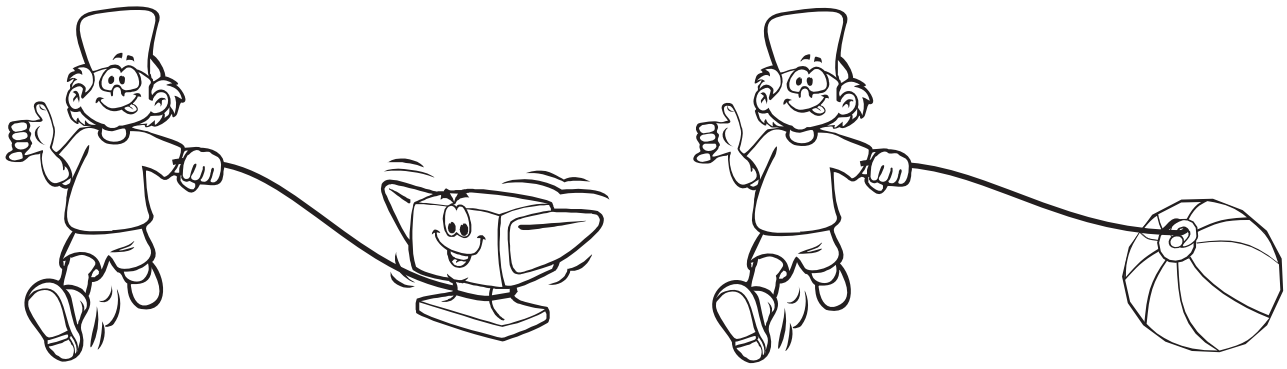
Colour the ball shapes blue, the box shapes yellow and the can shapes red.



Draw more beads so that each string has 10 beads.



Colour the thing that would be easier to pull.



KEEP A STEP AHEAD WITH HOMEWORK HELP

PARENTS and **TEACHERS** are a vital resource in helping young children develop the essential skills they will need to succeed at school.

'BEGINNING MATHEMATICS' will help your child develop mathematical concepts in the three main areas of Space, Measurement and Number.

THE AUTHORS each have over 20 years of classroom experience in Australian schools and have written over 100 successful student and teacher resource books.

OTHER TITLES in this series:

- ☆ BEGINNING TO READ
- ☆ BEGINNING TO WRITE
- ☆ LEARNING TIMES TABLES

www.burrabooks.com.au

BEGINNING MATHEMATICS

BUR-8083

ISBN 186402166-7
9 781864 021660

BURRABOOKS
www.burrabooks.com.au
mail@burrabooks.com.au