

Lesson 3- Ratio

What do you need?

Pen and Paper

Blue Zone



Going slow

E.g. sad, sick, tired,
bored

Green Zone



Good to go

E.g. happy, calm,
focused, ok

Yellow Zone



Caution

Starting to lose control

E.g. worried, excited,
annoyed

Red Zone



Stop!

Out of control

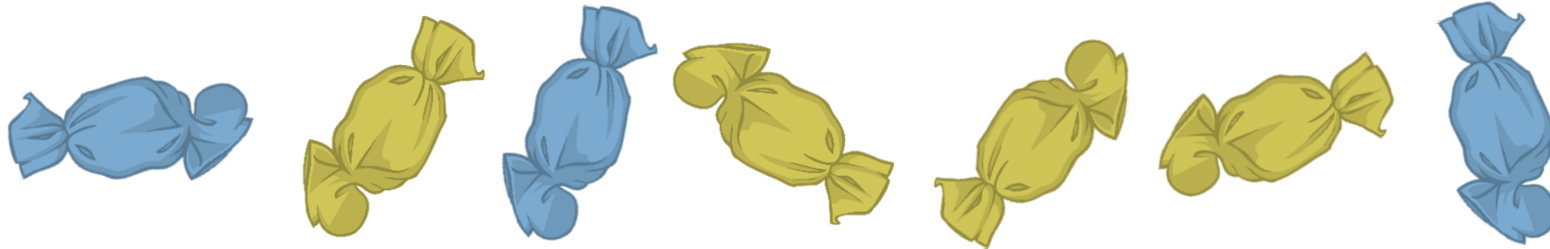
E.g. angry, terrified,
elated

Ratio



A ratio is a way of comparing amounts of something. We use a colon to represent the word "to".

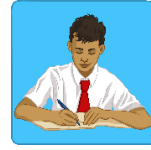
For example, the ratio of blue 'to' green sweets below is 3:4.



Why isn't the ratio 4:3?

As blue sweets were mentioned first, we take them to be the first number in the ratio. We could say, therefore, that the ratio of green to blue sweets is 4:3.

Ratio

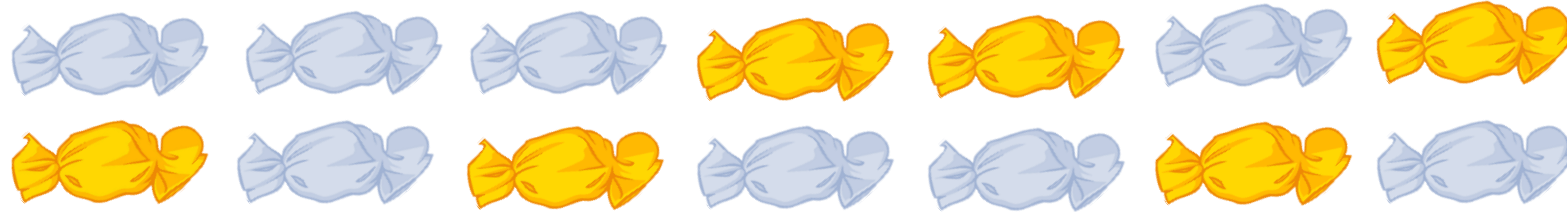


Write down the ratios:

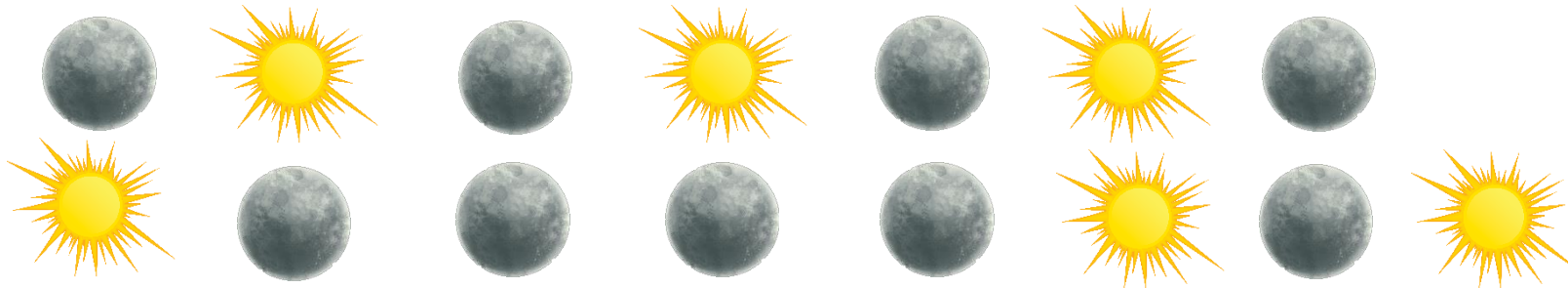
1. Blonde children to brunette children.



2. Pink sweets to yellow sweets.



3. Suns to moons



Ratio

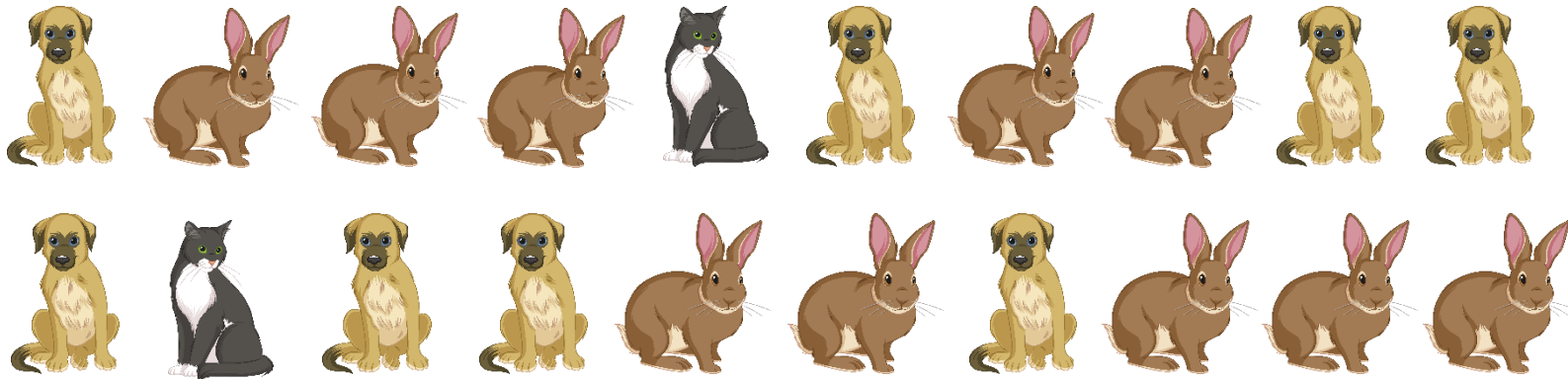


Write down the ratios, leaving your answers in their simplest form:

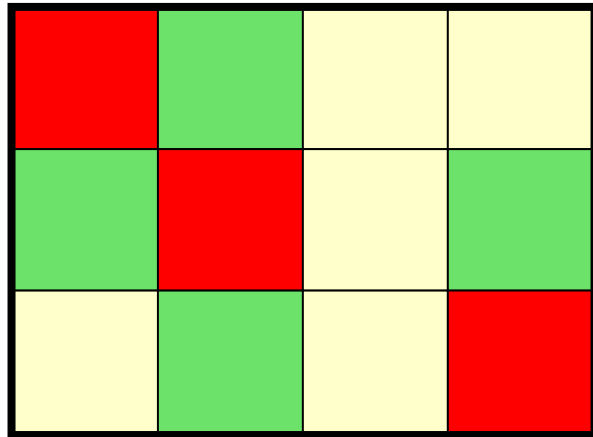
4. Orange juices to cups of tea.



5. Dogs to cats to rabbits.



Ratio



Ratios

Compare the parts into which an object is divided with each other.

Red:Green = 3:4

Green:Red = 4:3

Red:Yellow

Yellow:Red

Green:Yellow = 4:5

Yellow:Green

Reads as

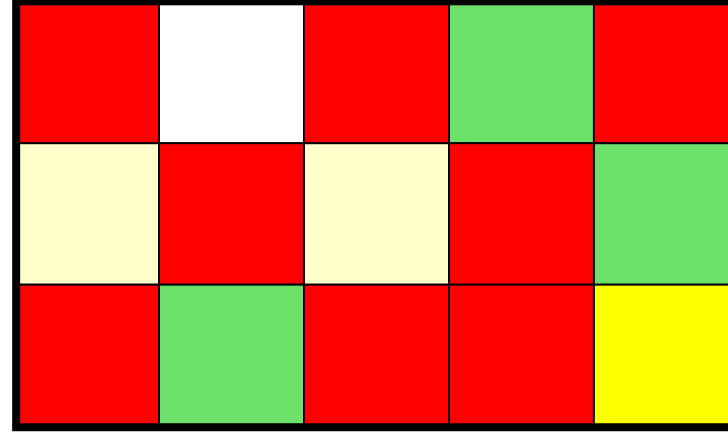
Red **to** Green equals 3 **to** 4.

The **order** is important.

Ratio

Ratios

Compare the parts into which an object is divided with each other.



State the following ratios for the diagram above.

15 parts

Red:Green = 8:3

8 red squares for every 3 green squares.

Yellow:White = 3:1

3 yellow squares for every 1 white square.

Green:Yellow = 3:3

3 green squares for every 3 yellow squares.

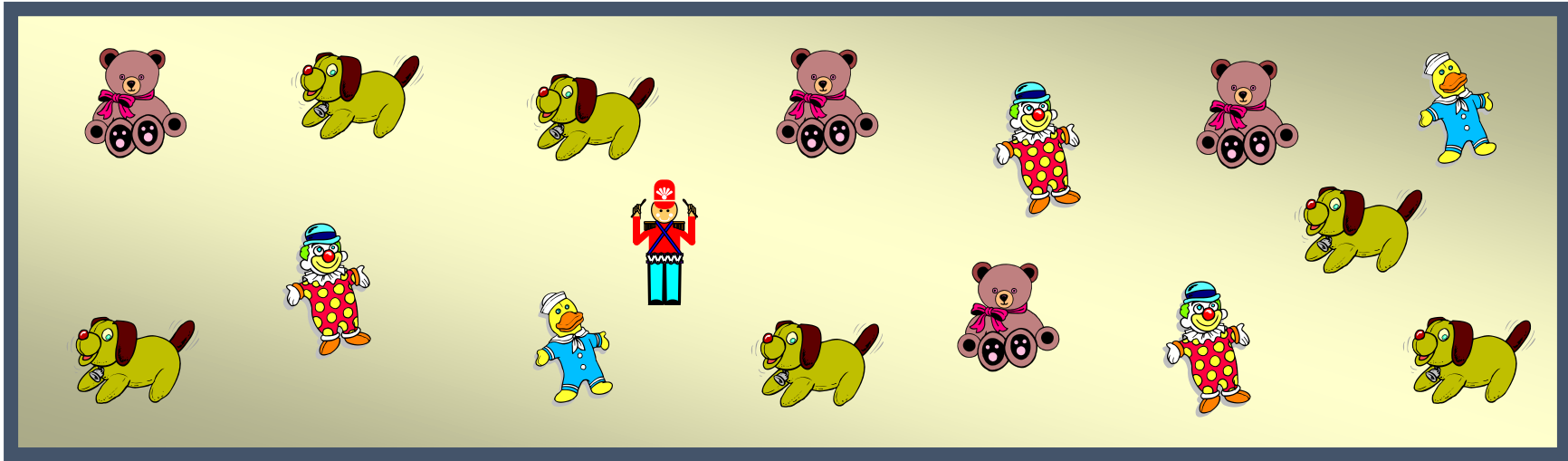
White:Red = 1:8

1 white square for every 8 red squares.

Red:White = 8:1

8 red squares for every 1 white square.

The Toy Box



State the following ratios for the toys in the box.

16 parts

Dogs:Teddies = 6:4

6 dogs for every 4 teddies.

Clowns:Ducks = 3:2

3 clowns for every 2 ducks.

Soldiers:Clowns = 1:3

1 soldier for every 3 clowns.

Ducks:Teddies = 2:4

2 ducks for every 4 teddies.

Dogs:Clowns = 6:3

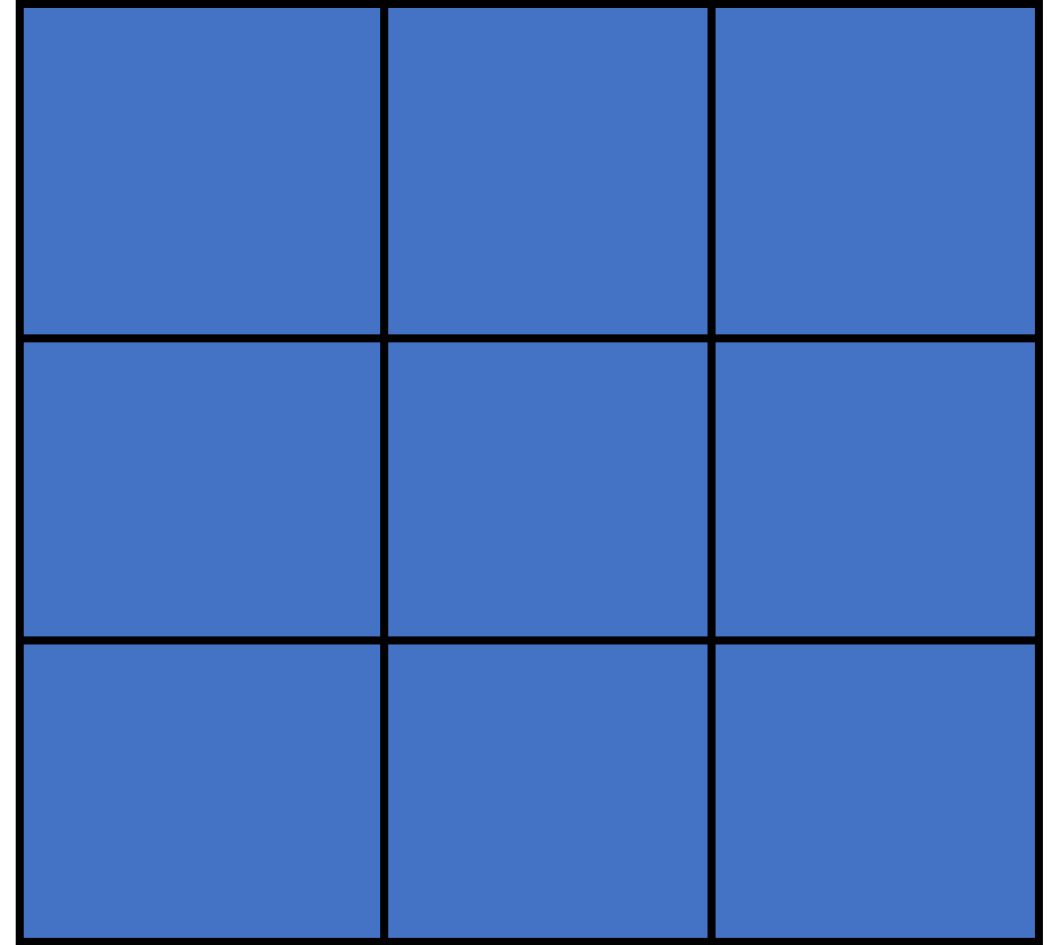
6 dogs for every 3 clowns.

Picture Ratio

Aim: Full House

Grid: 9 Grid

Play: Calculate answer & cross it off

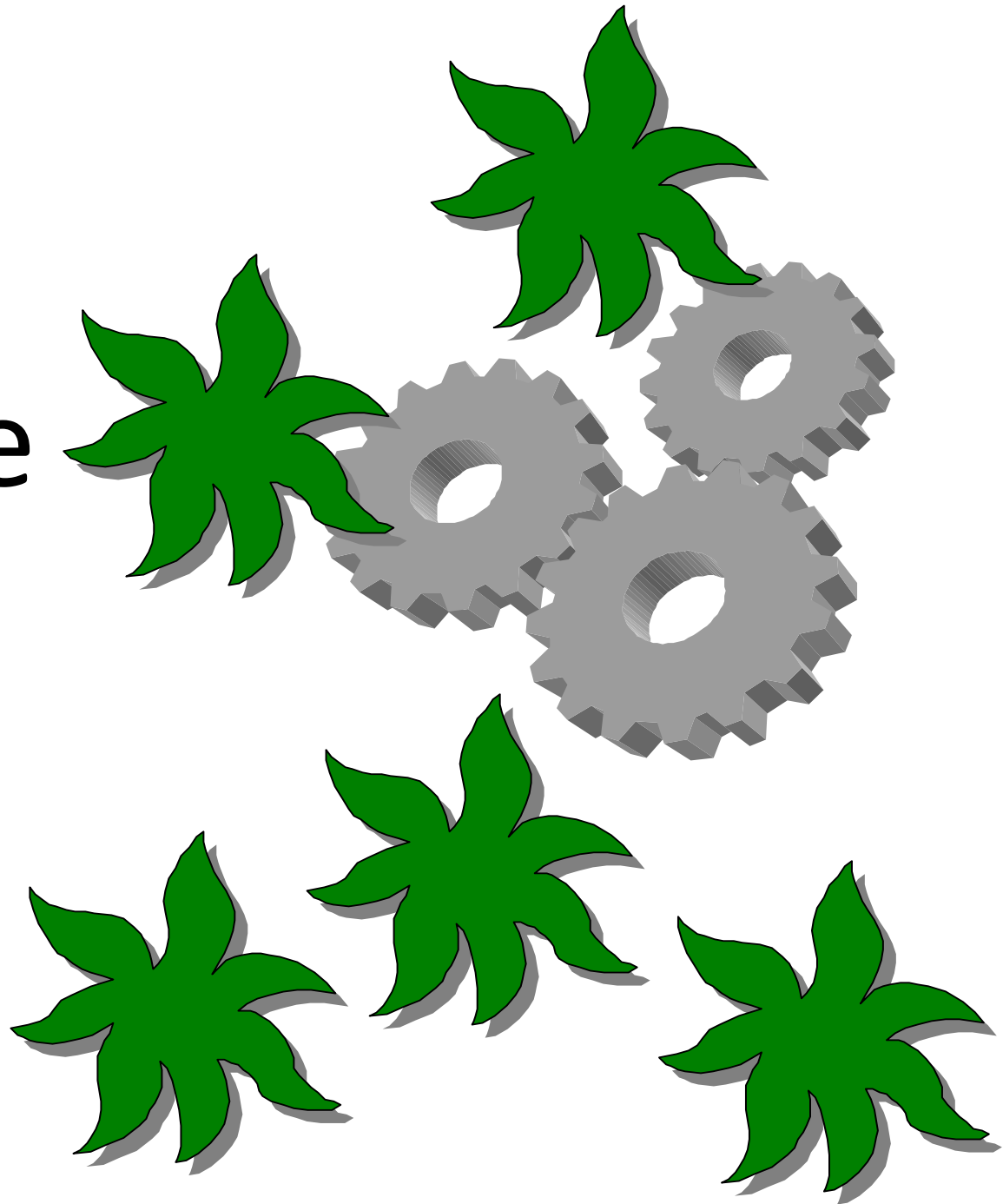


Use any of these numbers in your grid (NO REPEATS)

- | | | | |
|-------|-----|-----|-----|
| • 3:5 | 4:8 | 7:2 | 2:7 |
| • 8:4 | 4:6 | 3:4 | 4:5 |
| • 2:1 | 5:2 | 3:2 | 6:1 |
| • 1:3 | 3:4 | 4:3 | 2:3 |

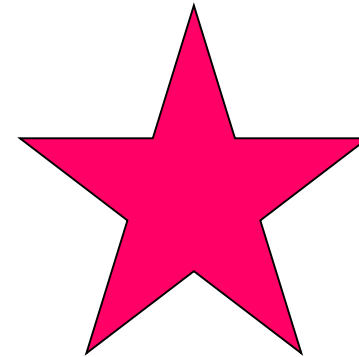
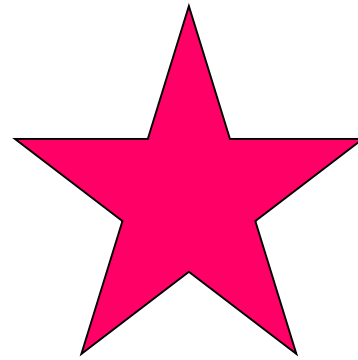
Question

Write the
ratio of
cogs to
plants



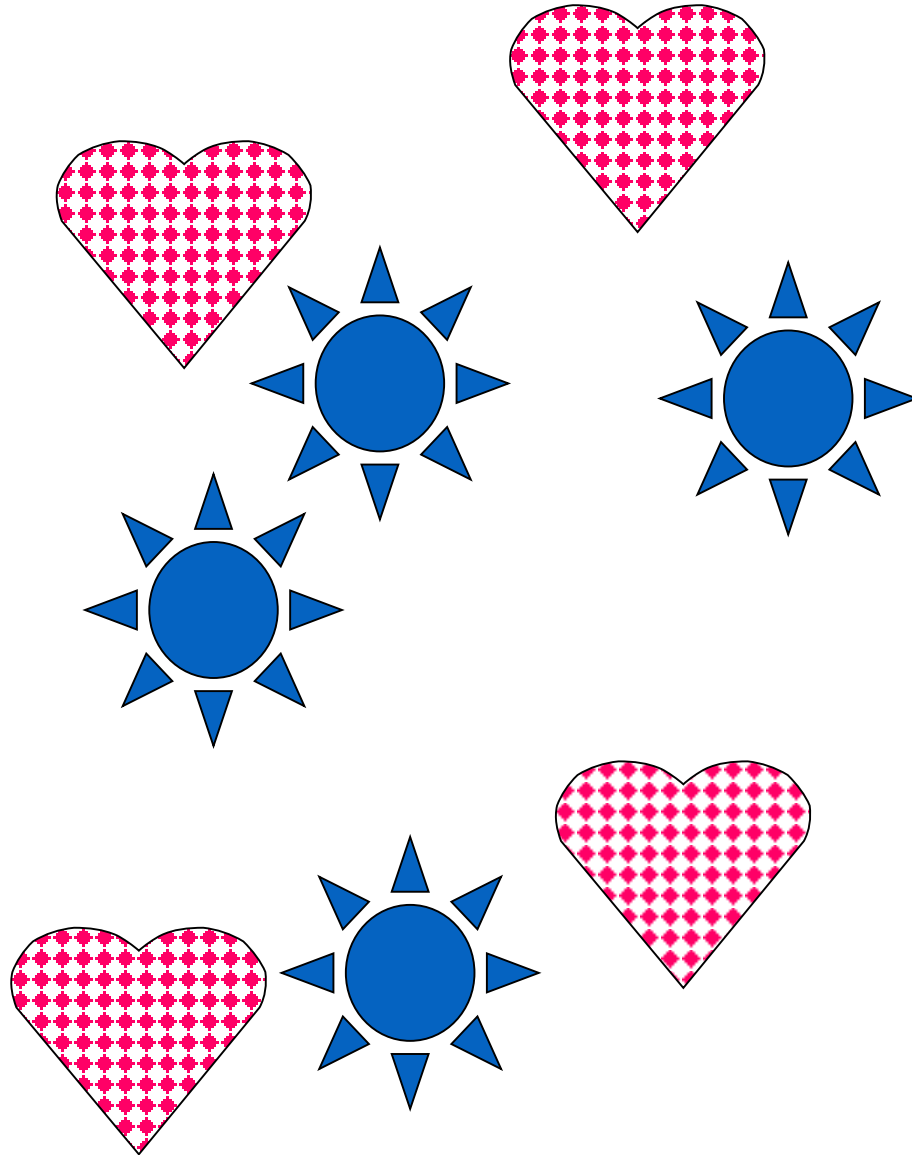
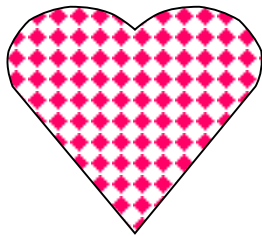
Question

Write the
ratio of
big stars
to small
stars



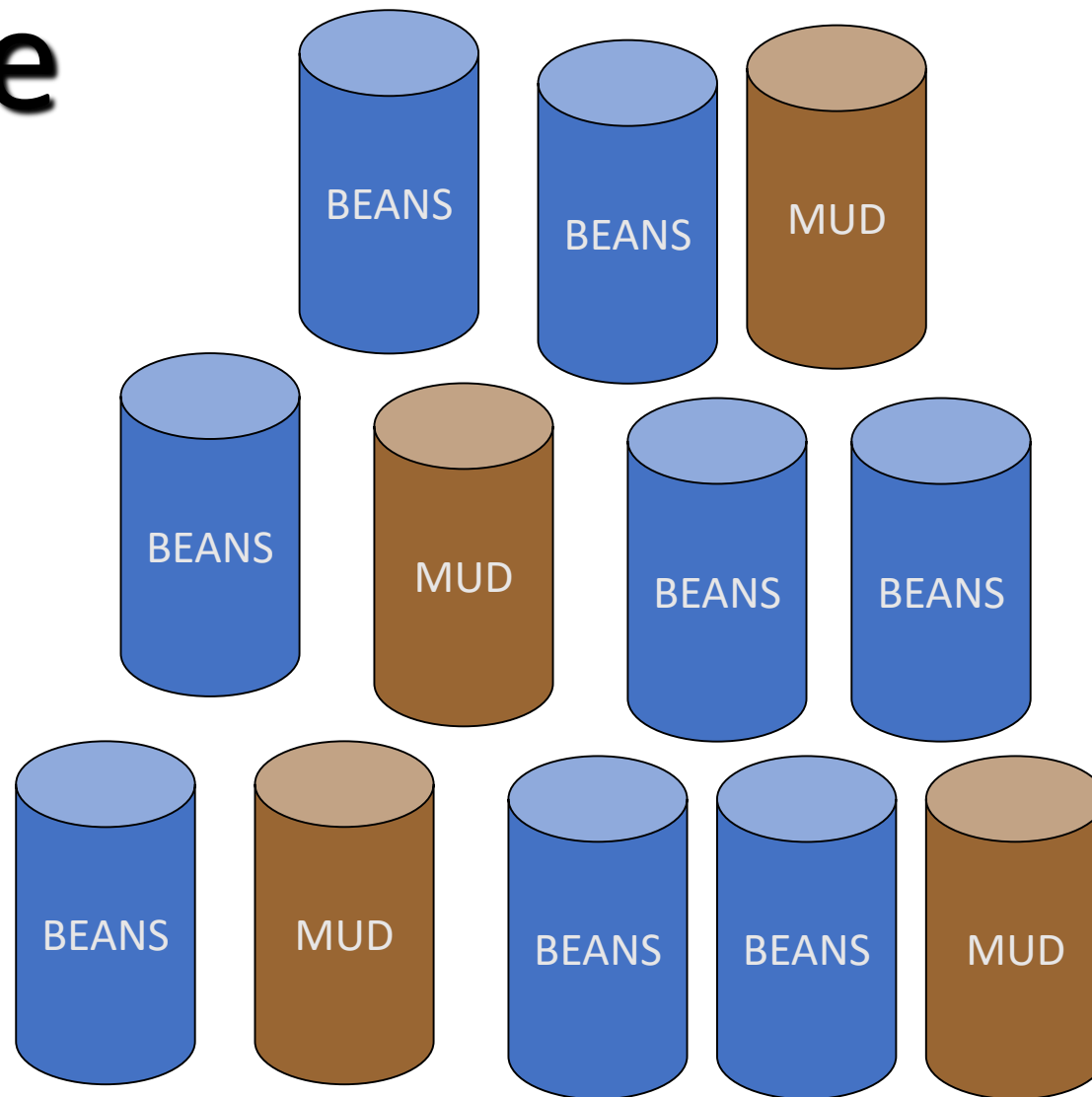
Question

Write the
ratio of
suns to
hearts



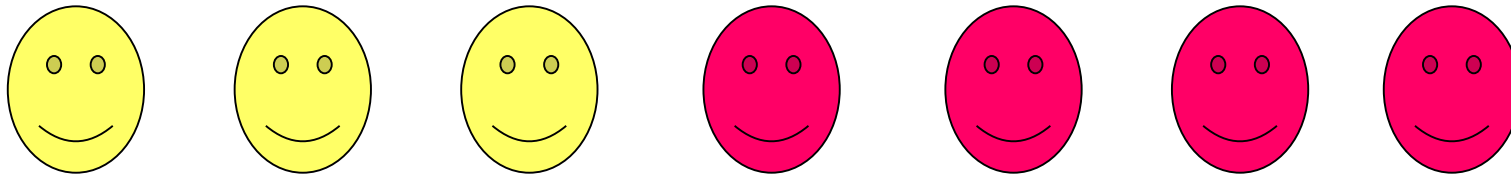
Question

**Write the
ratio of
mud to
beans**



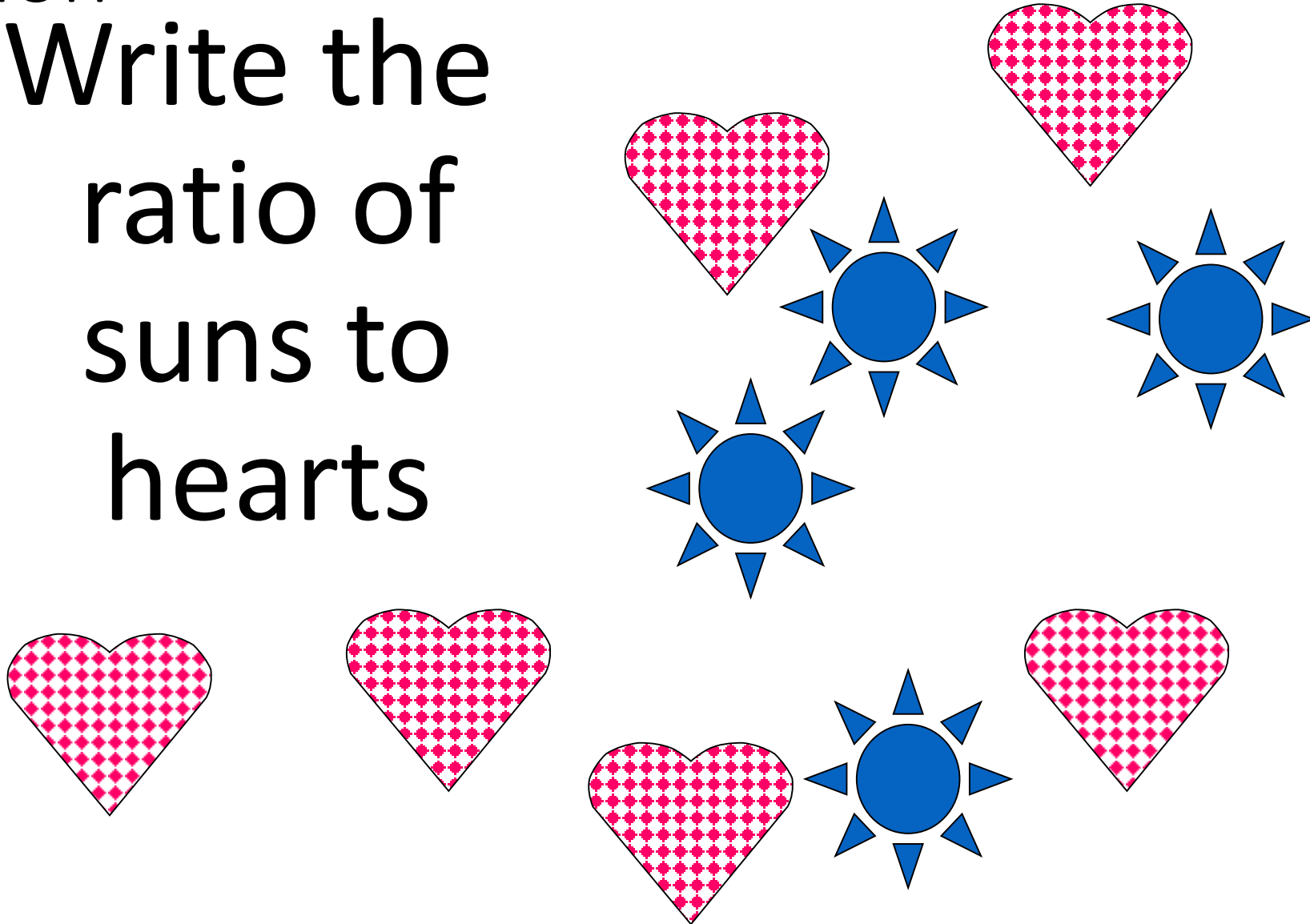
Question

Write the ratio of yellow to pink



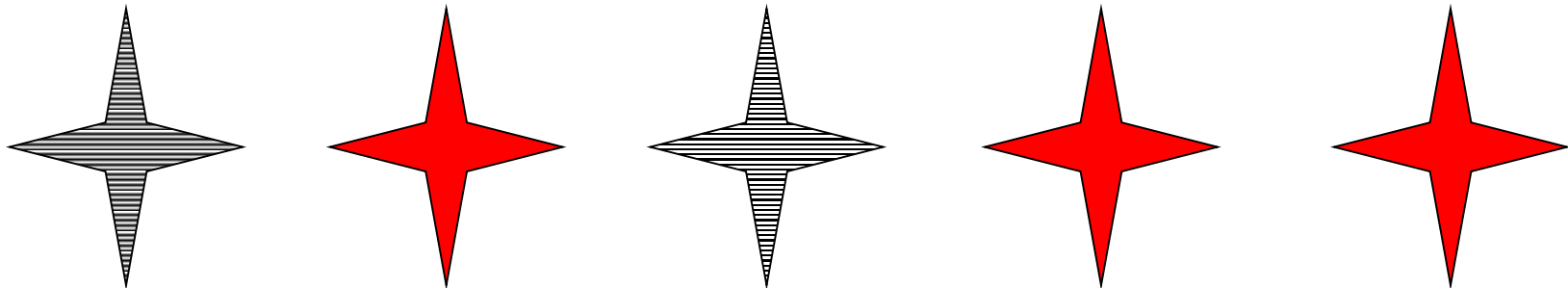
Question

Write the
ratio of
suns to
hearts



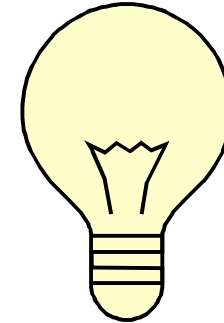
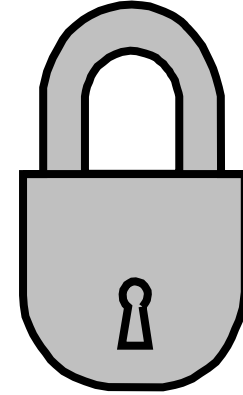
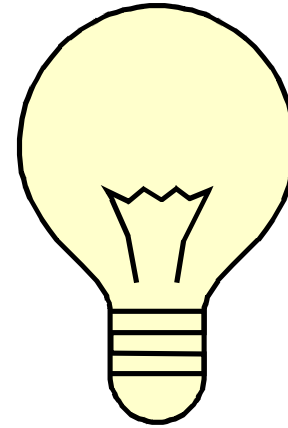
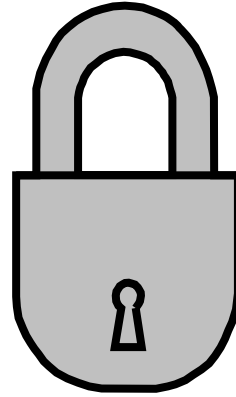
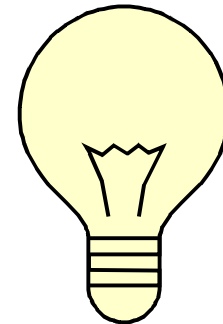
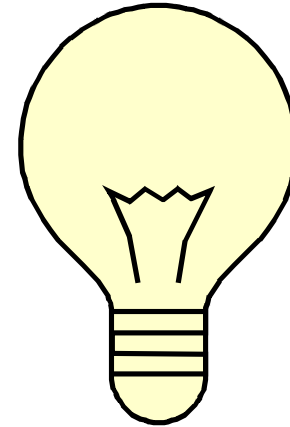
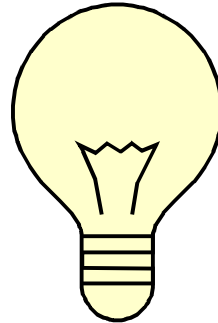
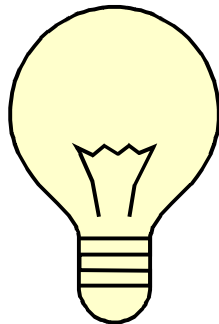
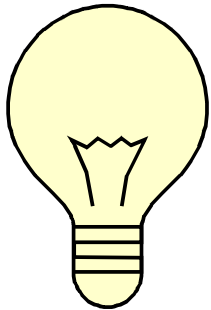
Question

Write the ratio of blue to
red



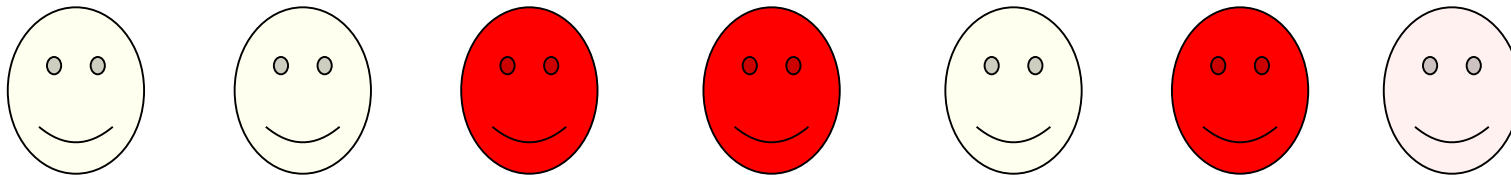
Question

Write the ratio of
light bulbs to
locks



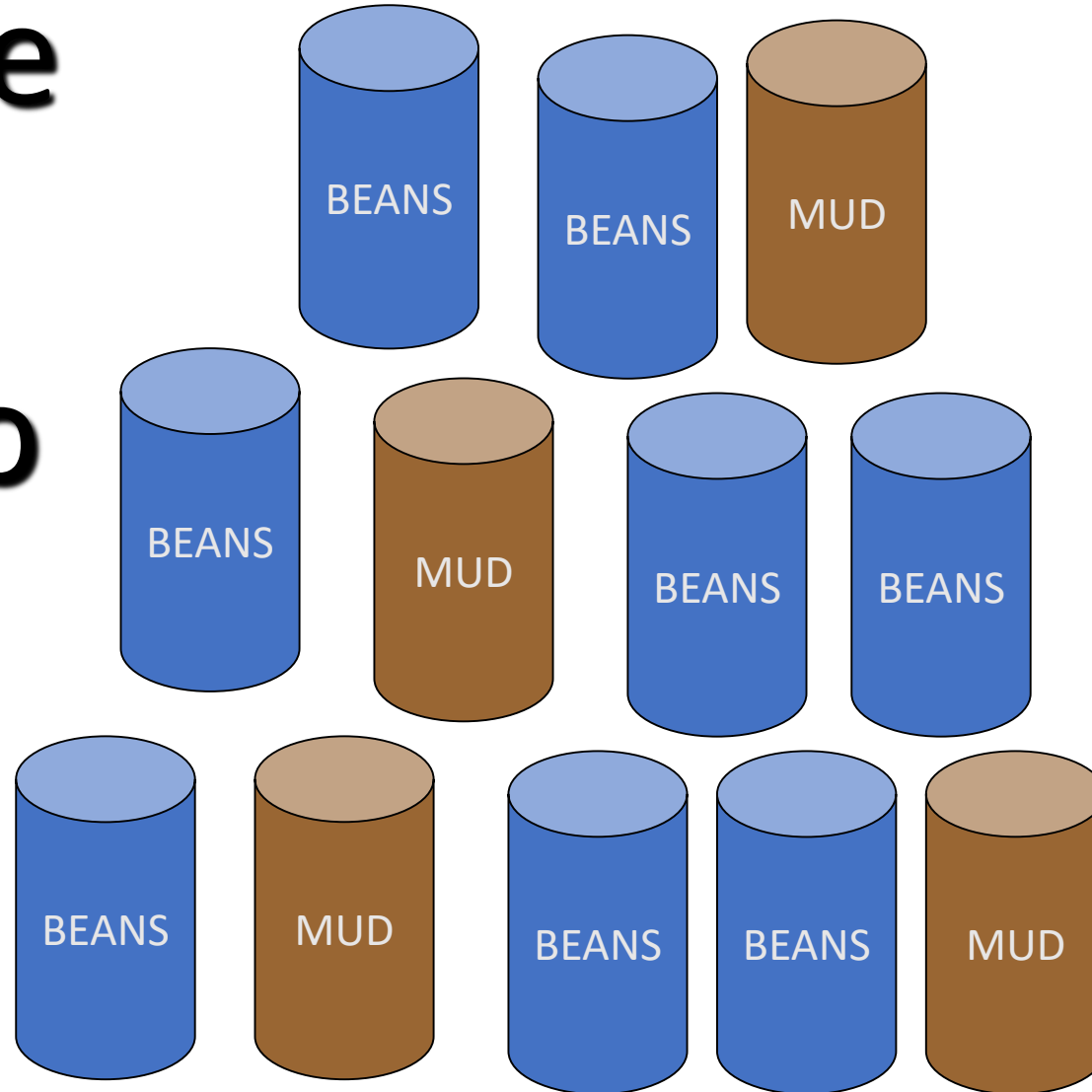
Question

Write the ratio of white
to red



Question

**Write the
ratio of
beans to
mud**



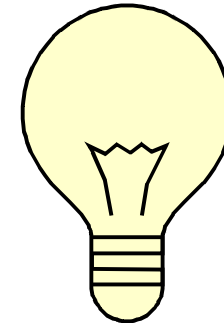
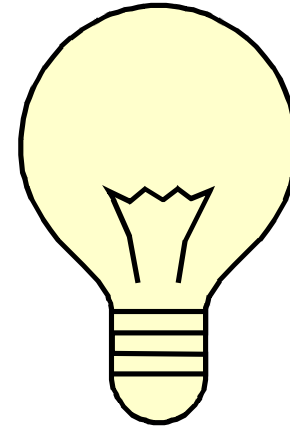
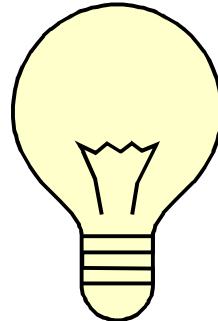
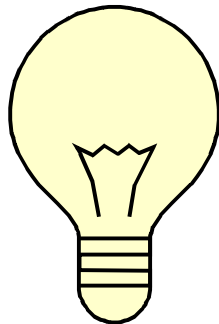
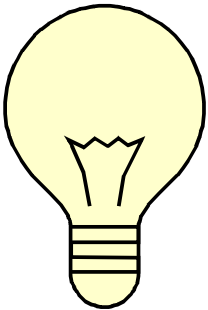
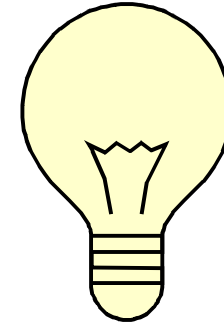
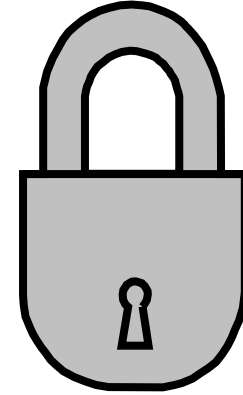
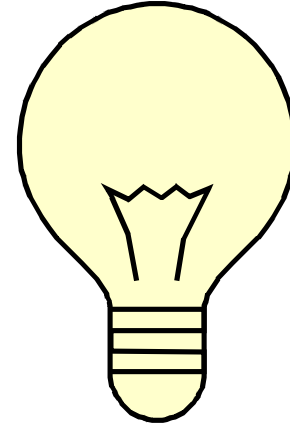
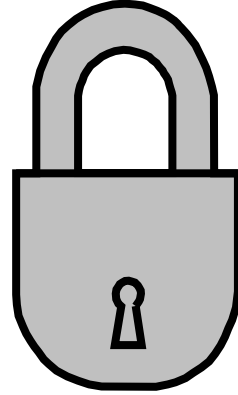
Question

Write down the ratio of
Yellow to red



Question

Write the ratio of
locks to light
bulbs



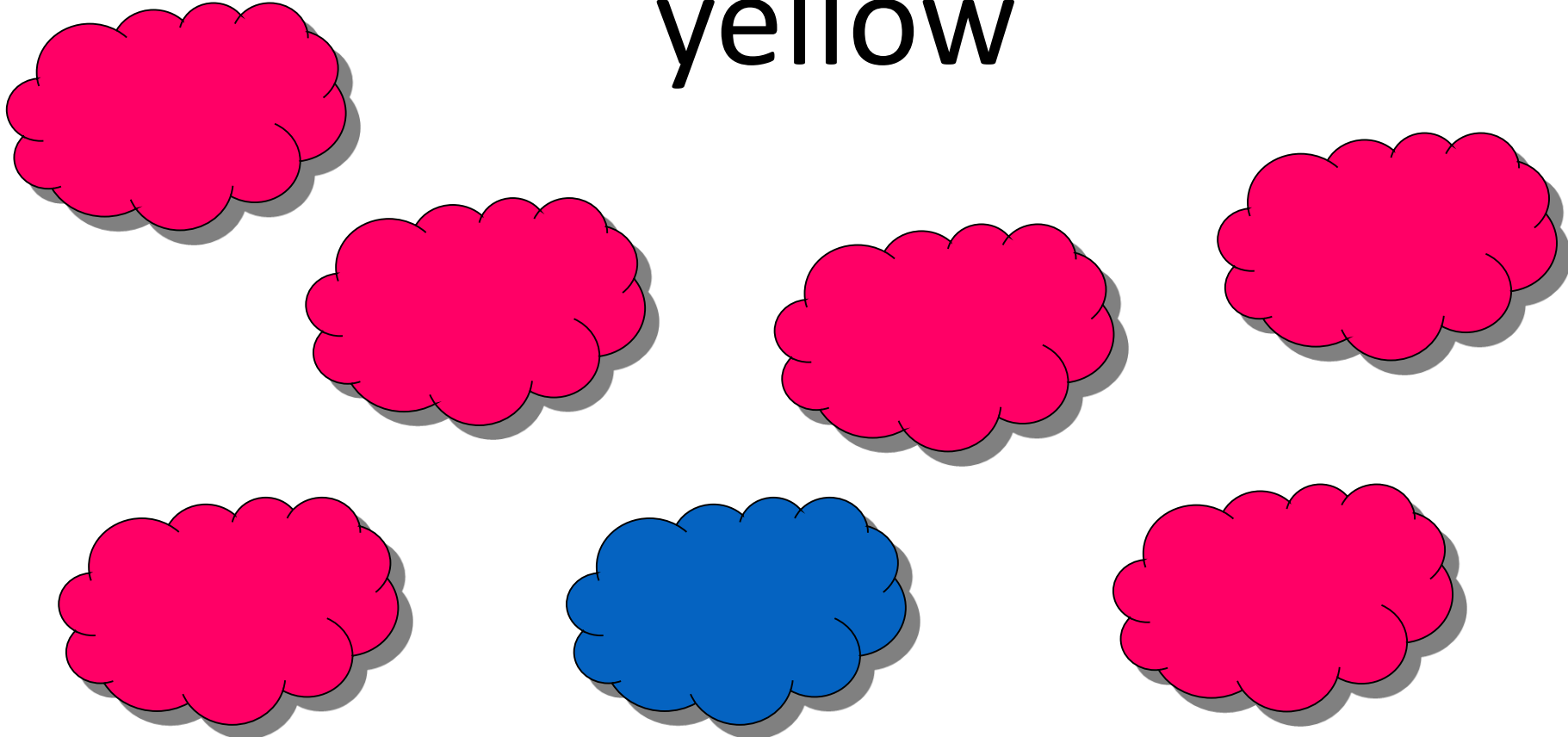
Question

Write the ratio of
Pink to Yellow



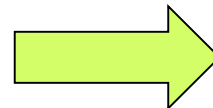
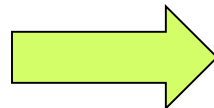
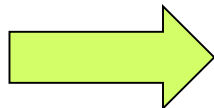
Question

Write the ratio of pink to
yellow



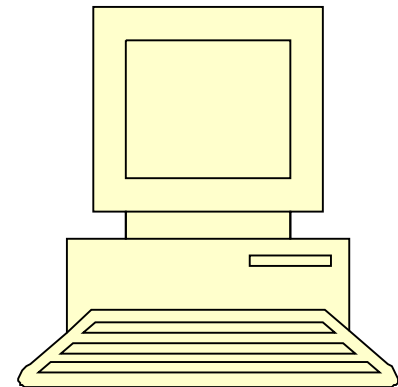
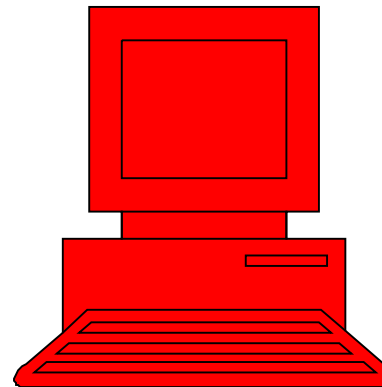
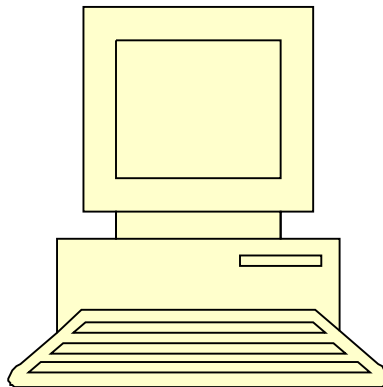
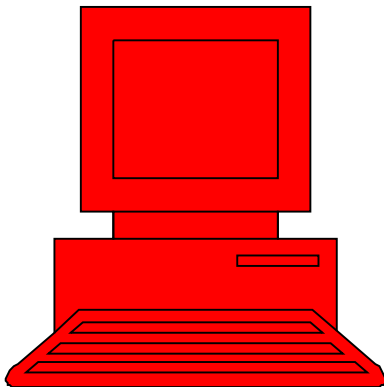
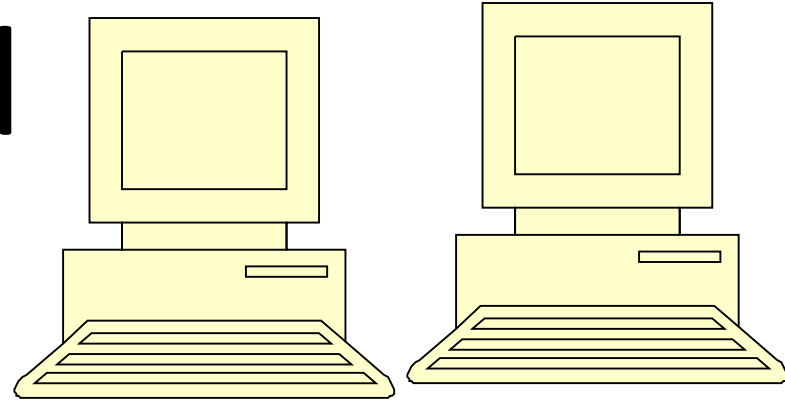
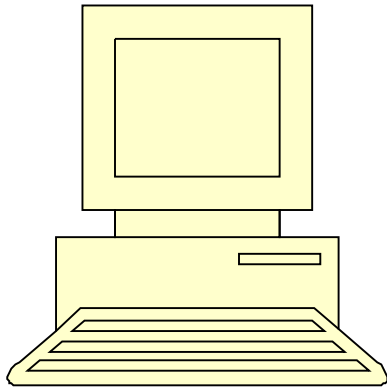
Question

Write the ratio of
Red to Yellow



Question

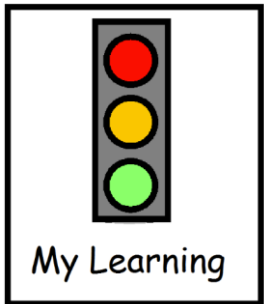
Write the ratio of white
to red



Don't Forget!!!

There is work to check your understanding and help you practice on the school website!

You can do this on any piece of paper – just make sure you ask an adult at home to send me your answers so I can mark them 😊



Traffic light your work today.

Thumbs down- I don't understand it

Thumbs across- I understand some of it

Thumbs up- I understand all of it