Activity

The grid below represents the pixels on a computer screen.

Be the computer and use the letters in the squares to make an image.
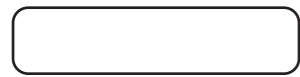
- **R** (Red)
- **B** (Blue)
- **Br** (Brown)
- **W** (White)

W	W	B	B	W	W	W	W
W	B	B	B	B	W	W	W
R	B	Br	B	B	W	W	Br
W	B	B	B	Br	Br	Br	Br
W	B	B	B	Br	Br	Br	Br
W	W	B	B	B	B	B	W
W	W	B	B	B	W	W	W
W	W	R	W	R	W	W	W

Once you've finished, look at your picture from a distance

Activity

Complete the table below using the colour mixer to work out what each colour should be.

#000000 [black filled box]

We've already done these two for you!

#FFFFFF [empty box]

#0000FF [empty box]

#FFFF32 [empty box]

#FF1A1A [empty box]

#19AC19 [empty box]

#FFAE19 [empty box]

#764A1D [empty box]

Use the colour mixer below to help you find the colours.

bit.ly/3bzoqvk

Then use your completed table to complete the drawing by matching the hex number in each pixel.

#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF
#0000FF	#0000FF	#0000FF	#764A1D	#764A1D	#764A1D	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF
#0000FF	#0000FF	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF
#0000FF	#0000FF	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#0000FF	#0000FF	#0000FF
#0000FF	#0000FF	#FFFF32	#764A1D	#000000	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#0000FF
#0000FF	#FFFF32	#FFFF32	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D
#FFFF32	#FFFF32	#0000FF	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D
#FFFF32	#0000FF	#0000FF	#0000FF	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D
#0000FF	#0000FF	#0000FF	#0000FF	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D
#0000FF	#0000FF	#0000FF	#0000FF	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#0000FF
#19AC19	#19AC19	#19AC19	#19AC19	#19AC19	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#19AC19	#19AC19
#19AC19	#19AC19	#19AC19	#19AC19	#19AC19	#19AC19	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#19AC19	#19AC19
#19AC19	#19AC19	#19AC19	#19AC19	#19AC19	#19AC19	#19AC19	#FFAE19	#764A1D	#764A1D	#FFAE19	#764A1D	#19AC19	#19AC19	#19AC19
#19AC19	#19AC19	#19AC19	#19AC19	#19AC19	#19AC19	#19AC19	#FFAE19	#19AC19	#19AC19	#FFAE19	#19AC19	#19AC19	#19AC19	#19AC19
#19AC19	#19AC19	#19AC19	#19AC19	#19AC19	#FFAE19	#FFAE19	#FFAE19	#FFAE19	#FFAE19	#FFAE19	#19AC19	#19AC19	#19AC19	#19AC19

Activity

Here's a larger picture for you to colour in!

Use the colour table you made on the previous page to look up what colour each pixel should be.

Find out more about how computers represent data:
csfieldguide.org.nz/en/chapters/data-representation/

#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#0000FF	#0000FF	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#0000FF	#0000FF	#0000FF	#19AC19	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#764A1D	#0000FF	#000000	#0000FF	#19AC19	#FFFFFF	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#764A1D	#764A1D	#0000FF	#0000FF	#0000FF	#19AC19	#FFFFFF	#764A1D	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFFFF	#19AC19	#19AC19	#19AC19	#FFFFFF	#764A1D	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFFFF	#FFFFFF	#FFFFFF	#FFFFFF	#FFFFFF	#FFFFFF	#764A1D	#764A1D	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFFFF	#FFFFFF	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#0000FF	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#764A1D
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#0000FF	#764A1D	#764A1D	#764A1D	#764A1D	#764A1D	#0000FF	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#764A1D	#764A1D	#764A1D
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#0000FF	#0000FF	#0000FF	#764A1D	#764A1D	#764A1D	#0000FF	#FFFF32	#FFFF32	#764A1D	#764A1D	#764A1D	#764A1D	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#764A1D	#0000FF	#764A1D	#764A1D	#764A1D	#764A1D	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#0000FF	#764A1D	#764A1D	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#0000FF	#0000FF	#0000FF	#0000FF	#19AC19	#0000FF	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#764A1D	#764A1D	#764A1D	#764A1D	#19AC19	#0000FF	#19AC19	#0000FF	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#764A1D	#764A1D	#764A1D	#764A1D	#FFFF32	#FFFF32	#0000FF	#19AC19	#0000FF	#19AC19	#0000FF	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#FFFF32	#FFFF32	#764A1D	#764A1D	#764A1D	#764A1D	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#0000FF	#19AC19	#0000FF	#19AC19	#0000FF	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#FFFF32	#764A1D	#764A1D	#764A1D	#764A1D	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#19AC19	#0000FF	#19AC19	#0000FF	#19AC19	#0000FF	#FFFF32	#FFFF32	#FFFF32
#764A1D	#764A1D	#764A1D	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#0000FF	#FFFF32	#0000FF	#FFFF32	#0000FF	#FFFF32	#FFFF32	#FFFF32	#FFFF32
#764A1D	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32	#FFFF32

Squishing it down!

You may have noticed that lots of pixels next to each other are the same colour. So we can use a code call Run–length encoding that squishes each row of pixels into a much shorter code.

Example

If you had to read out these pixels, instead of saying "R, R, R, R, R, R" you might say "6 lots of R".
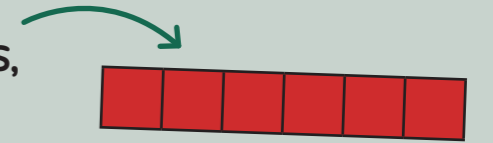
Activity

Fill out the grid using the Run–length encoding code.

B (Blue)

Y (Yellow)

3 blue pixels   2 yellow pixels   6 blue pixels

3B, 2Y, 6B

2B, 4Y, 5B

2B, 4Y, 3B, 1Y, 1B

1B, 5Y, 1B, 3Y, 1B

2B, 8Y, 1B

3B, 7Y, 1B

3B, 7Y, 1B

4B, 5Y, 2B

Activity

Fill out the grid using the
Run-length encoding code.

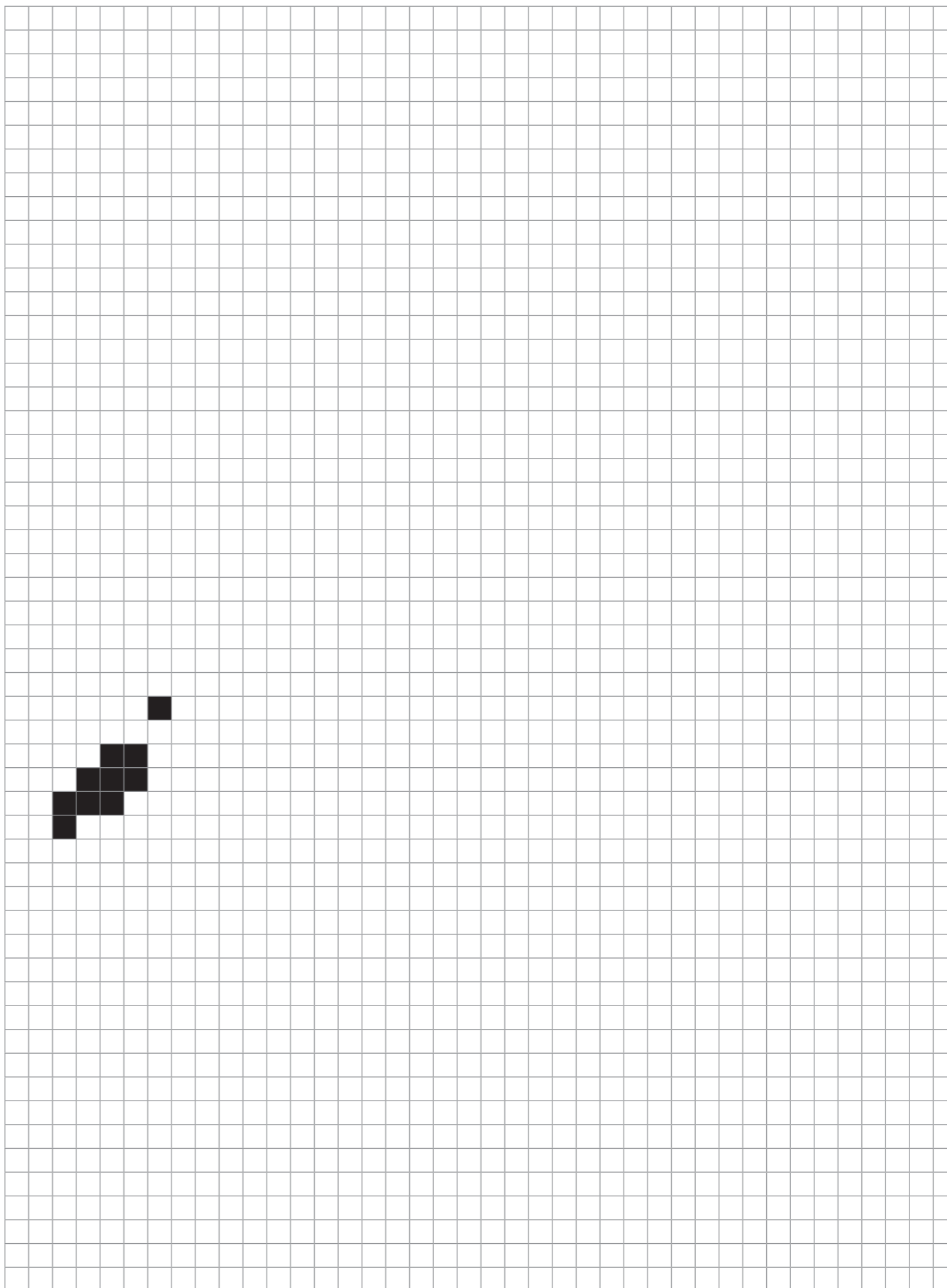Y (Yellow)

B (Blue)

G (Green)

Br (Brown)

O (Orange)

R (Red)

W (White)

Bl (Black)

We've already done
this one for you!

4Y, 36B
4Y, 36B
3Y, 23B, 1Br, 13B
2Y, 4B, 4W, 16B, 1Br, 3B, 2Br, 8B
6B, 5W, 15B, 1Br, 3B, 2Br, 8B
5B, 8W, 13B, 1Br, 2B, 2Br, 9B
3B, 12W, 7B, 2Br, 1B, 2Br, 2B, 1Br, 2B, 2Br, 6B
2B, 14W, 6B, 2Br, 1B, 2Br, 1B, 2Br, 1B, 2Br, 7B
2B, 16W, 4B, 2Br, 1B, 1Br, 2B, 2Br, 1B, 1Br, 2B, 2Br, 4B
22B, 2Br, 1B, 1Br, 1B, 2Br, 1B, 2Br, 1B, 2Br, 5B
22B, 6Br, 1B, 2Br, 1B, 2Br, 6B
22B, 14Br, 4B
22B, 2Br, 2Y, 9Br, 5B
21B, 2Br, 6Y, 5Br, 5B
10B, 1Br, 2B, 1Br, 7B, 2Br, 7Y, 5Br, 5B
10B, 1Br, 2B, 1Br, 2B, 1Br, 3B, 2Br, 2O, 7Y, 4Br, 5B
8B, 1Br, 1B, 4Br, 1B, 2Br, 2B, 2Br, 5O, 5Y, 4Br, 5B
8B, 12Br, 7O, 4Y, 3Br, 6B
9B, 2Br, 5G, 3Br, 1R, 7O, 4Y, 3Br, 6B
9B, 2Br, 5G, 2Br, 3R, 7O, 3Y, 3Br, 6B
9B, 1Br, 5G, 2Br, 4R, 7O, 3Y, 3Br, 6B
9B, 1Br, 5G, 1Br, 7R, 5O, 2Y, 3Br, 7B
9B, 1Br, 2G, 3Br, 8R, 5O, 1Y, 4Br, 7B
9B, 3Br, 2G, 9R, 5O, 1Y, 4Br, 7B
9B, 2Br, 3G, 9R, 5O, 4Br, 8B
7B, 3Br, 5G, 8R, 5O, 3Br, 9B
5B, 3Br, 8G, 6R, 5O, 3Br, 10B
4B, 2Br, 12G, 4R, 4O, 3Br, 11B
3B, 2Br, 1G, 1Y, 12G, 3R, 3O, 3Br, 12B
3B, 1Br, 2G, 1Bl, 12G, 3R, 5Br, 13B
3B, 2G, 1Y, 3G, 1Br, 8G, 2R, 1G, 2R, 2Br, 14B
3B, 1Br, 2Bl, 2G, 2Br, 1B, 1Br, 11G, 2R, 2Br, 13B
3B, 3Bl, 3Br, 3B, 2Br, 9G, 3R, 3Br, 11B
2B, 3Bl, 8B, 1Br, 10G, 4R, 4Br, 8B
2B, 1Bl, 10B, 2Br, 16G, 4Br, 5B
14B, 2Br, 7G, 2Br, 2G, 7Br, 6B
15B, 1Br, 5G, 7Br, 12B
15B, 2Br, 4G, 1Br, 18B
16B, 2Br, 2G, 2Br, 18B
17B, 2Br, 1G, 1Br, 19B
18B, 4Br, 18B
17B, 2Br, 2B, 2Br, 7B, 1Br, 9B
16B, 3Br, 10B, 2Br, 1W, 8B
15B, 2Br, 1B, 2Br, 8B, 3Br, 2W, 7B
5B, 1W, 1Br, 8B, 1Br, 11B, 5Br, 2W, 6B
5B, 1W, 1Br, 19B, 2Br, 2W, 2Br, 3W, 5B
4B, 3Br, 1W, 12B, 1W, 5B, 1Br, 3W, 2Br, 4W, 3B, 1W
3B, 1W, 3Br, 2W, 10B, 2Br, 2W, 2B, 2Br, 3W, 2Br, 1W, 1Br, 2W, 3B, 1Br
3B, 1W, 2Br, 5W, 8B, 2Br, 3W, 1B, 1Br, 1W, 1Br, 2W, 2Br, 1W, 2Br, 2W, 1B, 2Br
2B, 1Br, 1W, 1Br, 7W, 1B, 2G, 3B, 3Br, 3W, 3Br, 1W, 1Br, 1W, 2Br, 2W, 2Br, 2W, 2Br
1G, 1Br, 2W, 1Br, 5W, 1G, 1W, 3G, 2B, 4Br, 2G, 4Br, 2W, 5Br, 1G, 1Br, 1W, 1Br, 1G, 1Br
3G, 1Br, 1W, 1Br, 1W, 1G, 1W, 7G, 2Br, 1G, 1Br, 3G, 2Br, 2G, 1W, 3Br, 1G, 1Br, 2G, 1W, 1Br, 3G
2G, 3W, 1Br, 2G, 1W, 7G, 1Br, 7G, 1Br, 2G, 3Br, 2G, 1Br, 3G, 1Br, 3G
1G, 4W, 10G, 1Br, 7G, 1Br, 4G, 1Br, 11G

Activity

Here's a challenge for you! Remember run length encoding?

We have given you the encoding for the large image below. Use the next page to create the image.

Y (Yellow)
B (Blue)
G (Green)
Br (Brown)
O (Orange)
R (Red)
W (White)

You may want to cross out each row as you complete it to keep track of where you are up to!

Row 1   3B, 13G, 25B, 2Br, 36B
Row 2   2B, 15G, 5B, 3W, 15B, 2Br, 36B, 1W
Row 3   1B, 17G, 3B, 5W, 5B, 19Br, 15B, 3W, 8B, 3W
Row 4   20G, 7W, 3B, 21Br, 12B, 6W, 6B, 4W
Row 5   20G, 8B, 4Br, 17R, 4Br, 8B, 9W, 9B
Row 6   21G, 6B, 3Br, 3R, 3W, 1R, 3W, 1R, 3W, 1R, 1W, 1R, 1W, 3R, 3Br, 6B, 11W, 2B, 4G, 2B
Row 7   22G, 4B, 2Br, 5R, 1W, 4R, 1W, 3R, 1W, 2R, 3W, 5R, 2Br, 3W, 13B, 8G
Row 8   22G, 2B, 3Br, 6R, 3W, 1R, 3W, 2R, 1W, 3R, 1W, 7R, 3Br, 2W, 10B, 10G
Row 9   23G, 1B, 33R, 3W, 7B, 12G
Row 10   23G, 1B, 33R, 9B, 13G
Row 11   23G, 1B, 33Y, 9B, 13G
Row 12   23G, 1B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 8B, 14G
Row 13   23G, 1B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 7B, 15G
Row 14   23G, 1B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 6B, 16G
Row 15   22G, 2B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 7B, 15G
Row 16   21G, 3B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 10B, 12G
Row 17   20G, 4B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 8B, 14G
Row 18   1B, 18G, 5B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 7B, 14G, 1Br
Row 19   1B, 17G, 6B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 6B, 15G, 1Br

Row 20   2B, 15G, 7B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 5B, 11G, 2Br, 3G, 1Br
Row 21   2B, 3G, 2Br, 7G, 2Br, 8B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 5B, 12G, 2Br, 1G, 2Br
Row 22   3B, 1G, 4Br, 5G, 3Br, 8B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 5B, 13G, 4Br
Row 23   4B, 5Br, 3G, 3Br, 9B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 6B, 9G, 2Br, 3G, 2Br
Row 24   7B, 2Br, 3G, 2Br, 10B, 2Y, 4W, 1Y, 5W, 1Y, 7W, 1Y, 5W, 1Y, 4W, 2Y, 5B, 5G, 2Br, 4G, 2Br, 2G, 2Br
Row 25   8B, 2Br, 1G, 2Br, 11B, 33Y, 4B, 6G, 4Br, 3G, 5Br
Row 26   8B, 5Br, 11B, 33Y, 4B, 7G, 5Br, 3G, 3Br
Row 27   8B, 5Br, 11B, 33Y, 3B, 10G, 5Br, 1G, 3Br
Row 28   8B, 5Br, 11B, 33R, 4B, 10G, 8Br
Row 29   8B, 5Br, 11B, 33R, 4B, 12G, 6Br
Row 30   8B, 5Br, 11B, 33R, 5B, 13G, 4Br
Row 31   8B, 5Br, 11B, 1R, 3O, 3R, 19Y, 3R, 3O, 1R, 8B, 10G, 4Br
Row 32   8B, 5Br, 11B, 1R, 3O, 3R, 1Y, 17R, 1Y, 3R, 3O, 1R, 8B, 8G, 2B, 4Br
Row 33   1B, 4G, 3B, 4Br, 12B, 1R, 3O, 2R, 2Y, 17R, 2Y, 2R, 3O, 1R, 9B, 6G, 3B, 4Br
Row 34   6G, 2B, 4Br, 12B, 5R, 2Y, 19R, 2Y, 5R, 11B, 2G, 5B, 4Br
Row 35   7G, 1B, 4Br, 4B, 2G, 6B, 5R, 1Y, 10R, 1Y, 10R, 1Y, 5R, 19B, 3Br
Row 36   7G, 3Br, 3G, 1Br, 1B, 4G, 5B, 1R, 3W, 1R, 1Y, 9R, 3Y, 9R, 1Y, 1R, 3W, 1R, 12B, 2G, 5B, 3Br
Row 37   6G, 2Br, 12G, 4B, 1R, 3W, 1R, 1Y, 8R, 5Y, 8R, 1Y, 1R, 3W, 1R, 13B, 2G, 4B, 3Br
Row 38   13Y, 1B, 1Y, 1B, 1Y, 1B, 6Y, 1R, 3W, 1R, 1Y, 9R, 3Y, 9R, 1Y, 1R, 3W, 1R, 9Y, 3G, 2Y, 2G, 1Y, 1O, 1Y, 3Br
Row 39   9Y, 3O, 1Y, 5B, 6Y, 5R, 1Y, 10R, 1Y, 10R, 1Y, 5R, 7Y, 6G, 1Y, 2G, 1Y, 1O, 1Y, 3Br
Row 40   4Br, 3R, 2Br, 1O, 1R, 1O, 2Br, 3B, 7Br, 5R, 2Y, 19R, 2Y, 5R, 6Y, 1G, 5Y, 2G, 1Y, 1G, 3O, 3Br
Row 41   3Br, 2R, 1B, 2R, 1Br, 3O, 3Br, 1G, 4Br, 3R, 1Br, 1R, 3O, 2R, 2Y, 17R, 2Y, 2R, 3O, 1R, 8Y, 3G, 2Y, 3G, 3O, 3Br
Row 42   2Y, 1O, 1Br, 3R, 3Br, 1G, 4Br, 1G, 4Br, 1R, 1Y, 1R, 1Br, 1R, 3O, 3R, 1Y, 17R, 1Y, 1R, 3O, 1R, 7Y, 6G, 1Y, 2G, 3W, 3Br
Row 43   3O, 2Br, 1G, 4Br, 1G, 4Br, 3B, 2Br, 3R, 1Br, 1R, 3O, 3R, 19Y, 3R, 3O, 1R, 6Y, 1G, 5Y, 1G, 1Y, 2G, 3W, 3Br
Row 44   3R, 2Br, 1G, 8Br, 2B, 1O, 2B, 2Br, 1G, 2Br, 33R, 5Y, 1G, 2Y, 3G, 1Y, 4G, 3O, 3Br
Row 45   2G, 8Br, 3Y, 2Br, 3B, 3Br, 1G, 2Br, 33R, 7Y, 8G, 5O, 2Br
Row 46   1G, 9Br, 1Y, 1O, 1Y, 2Br, 2G, 4Br, 1G, 1Br, 1Y, 33R, 7Y, 1G, 3Y, 4G, 5W, 2Br
Row 47   1G, 3Br, 1R, 1Br, 1R, 1Br, 1R, 1Br, 3Y, 3Br, 2G, 4Br, 3Y, 1G, 29Br, 1G, 13Y, 2G, 7W, 1Br
Row 48   4Br, 5R, 2Br, 1G, 1Br, 1G, 2Br, 1G, 4Br, 3Y, 2G, 29Br, 2G, 12Y, 2G, 7O, 1Br
Row 49   3B, 2Br, 3R, 3Br, 2G, 7Br, 3Y, 3G, 29Br, 3G, 12Y, 9O
Row 50   3Y, 1B, 2Br, 1G, 4Br, 1G, 6Br, 3Y, 5G, 29Br, 5G, 19Y
Row 51   4B, 2Br, 1G, 9Br, 3Y, 6G, 3W, 25Br, 3W, 6G, 4Y, 13Br
Row 52   3B, 3Br, 1G, 8Br, 3Y, 6G, 4W, 25Br, 4W, 6G, 4Y, 3Br, 9G
Row 53   1Br, 1G, 11Br, 3Y, 6G, 5W, 27Br, 5W, 6G, 4Y, 3Br, 3G, 1R, 1G, 1R, 1G
Row 54   1Br, 2G, 8Br, 3Y, 6G, 8W, 3Y, 2Br, 3Y, 9W, 3Y, 2Br, 3Y, 8W, 6G, 4Y, 3Br, 5G
Row 55   1Br, 1G, 7Br, 3Y, 6G, 9W, 3Y, 2Br, 3Y, 11W, 3Y, 2Br, 3Y, 9W, 6G, 4Y, 3Br, 2G, 1R
Row 56   8Br, 3Y, 5G, 10W, 3Y, 2Br, 3Y, 13W, 3Y, 2Br, 3Y, 10W, 5G, 5Y, 3Br, 1G
Row 57   6Br, 3Y, 6G, 10W, 3Y, 2Br, 3Y, 15W, 3Y, 2Br, 3Y, 10W, 6G, 5Y, 2Br
Row 58   8Y, 6G, 10W, 3Y, 2Br, 3Y, 17W, 3Y, 2Br, 3Y, 10W, 6G, 6Y
Row 59   6Y, 6G, 11W, 3Y, 2Br, 3Y, 19W, 3Y, 2Br, 3Y, 11W, 6G, 4Y