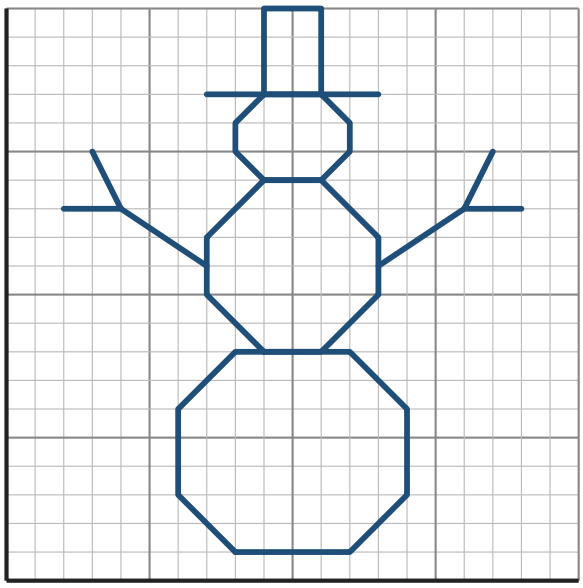
FREE SAMPLE · 2 OF 12 PICTURES

Winter Mystery Coordinate Graphing Pictures

2 hidden pictures to plot: 1 on a first-quadrant grid and 1 on a four-quadrant grid.
Every point list comes with a blank grid and an answer key.

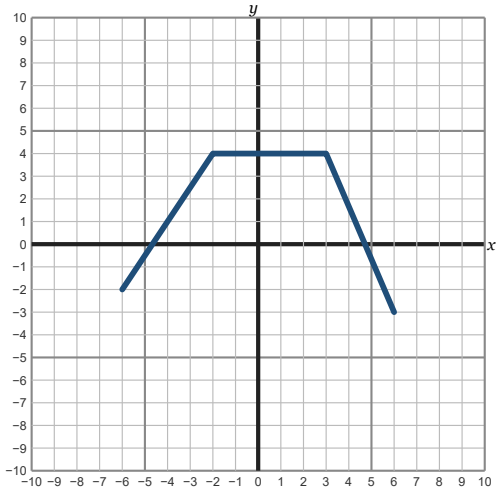


Grid	Range	Pictures
First quadrant	0 to 20	1
Four quadrants	−10 to 10	1
Answer keys at the back		

How to plot a mystery picture

1. Each point is written as (x, y). Start at 0, count **x** across (right is positive, left is negative), then count **y** up or down.
2. Plot the first point of Line 1. Then plot the next point and join the two with a straight line, using a ruler if you have one.
3. Keep joining points in order. Tick the box beside each point as you go.
4. When you reach **STOP · lift pencil**, lift your pencil. Line 2 starts somewhere new, so don't join it to the last point.
5. When every line is done, color the picture in and write what it is at the top of the grid.

Teacher notes. Pictures 1–1 use whole numbers from 0 to 20 and suit grades 3–5. Pictures 2–2 use negative numbers in all four quadrants and suit grades 5–7. Each picture takes about 15 to 25 minutes. Print the point list and the grid on the same sheet, front and back, to save paper. The answer key at the back shows each finished picture.



Example: (−6, −2) → (−2, 4) → (3, 4) → (6, −3), then STOP.

FIRST QUADRANT · 0 TO 20

Mystery Picture 1

Name _____ What is it? _____

Line 1

- ☐ (8, 1)
- ☐ (8, 13)
- ☐ (9, 16)
- ☐ (11, 18)
- ☐ (14, 18)
- ☐ (16, 16)
- ☐ (17, 13)
- ☐ (17, 11)
- ☐ (15, 11)
- ☐ (15, 13)
- ☐ (14, 15)
- ☐ (13, 16)
- ☐ (12, 16)
- ☐ (11, 15)
- ☐ (10, 13)
- ☐ (10, 1)
- ☐ (8, 1)

STOP · lift pencil

Line 2

- ☐ (8, 3)
- ☐ (10, 5)

STOP · lift pencil

Line 3

- ☐ (8, 7)
- ☐ (10, 9)

STOP · lift pencil

Line 4

- ☐ (8, 11)
- ☐ (10, 13)

STOP · lift pencil

Line 5

- ☐ (11, 18)
- ☐ (12, 16)

STOP · lift pencil

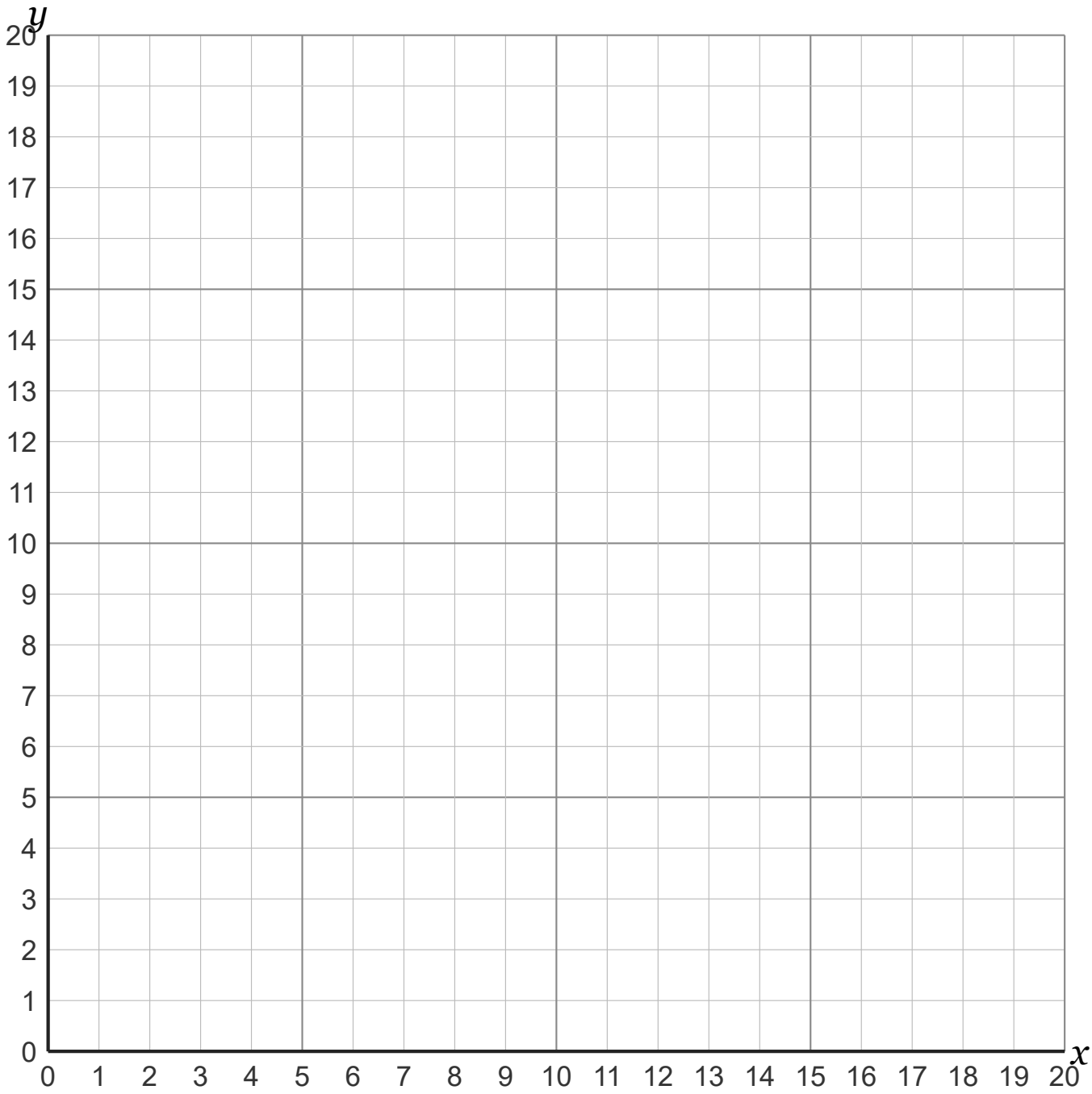
Line 6

- ☐ (16, 16)
- ☐ (14, 15)

STOP · lift pencil

FIRST QUADRANT · 0 TO 20

Mystery Picture 1 · grid



ALL FOUR QUADRANTS · −10 TO 10

Mystery Picture 2

Name _____ What is it? _____

Line 1

- ☐ (−1, 8)
- ☐ (−1, 10)
- ☐ (1, 10)
- ☐ (1, 8)

STOP · lift pencil

Line 2

- ☐ (−1, 8)
- ☐ (−3, 7)
- ☐ (−4, 5)
- ☐ (−4, 1)
- ☐ (−5, −2)
- ☐ (−7, −4)
- ☐ (−7, −5)
- ☐ (7, −5)
- ☐ (7, −4)

Line 3

- ☐ (5, −2)
- ☐ (4, 1)
- ☐ (4, 5)
- ☐ (3, 7)
- ☐ (1, 8)
- ☐ (−1, 8)

STOP · lift pencil

Line 4

- ☐ (−1, −5)
- ☐ (−1, −7)
- ☐ (1, −7)
- ☐ (1, −5)

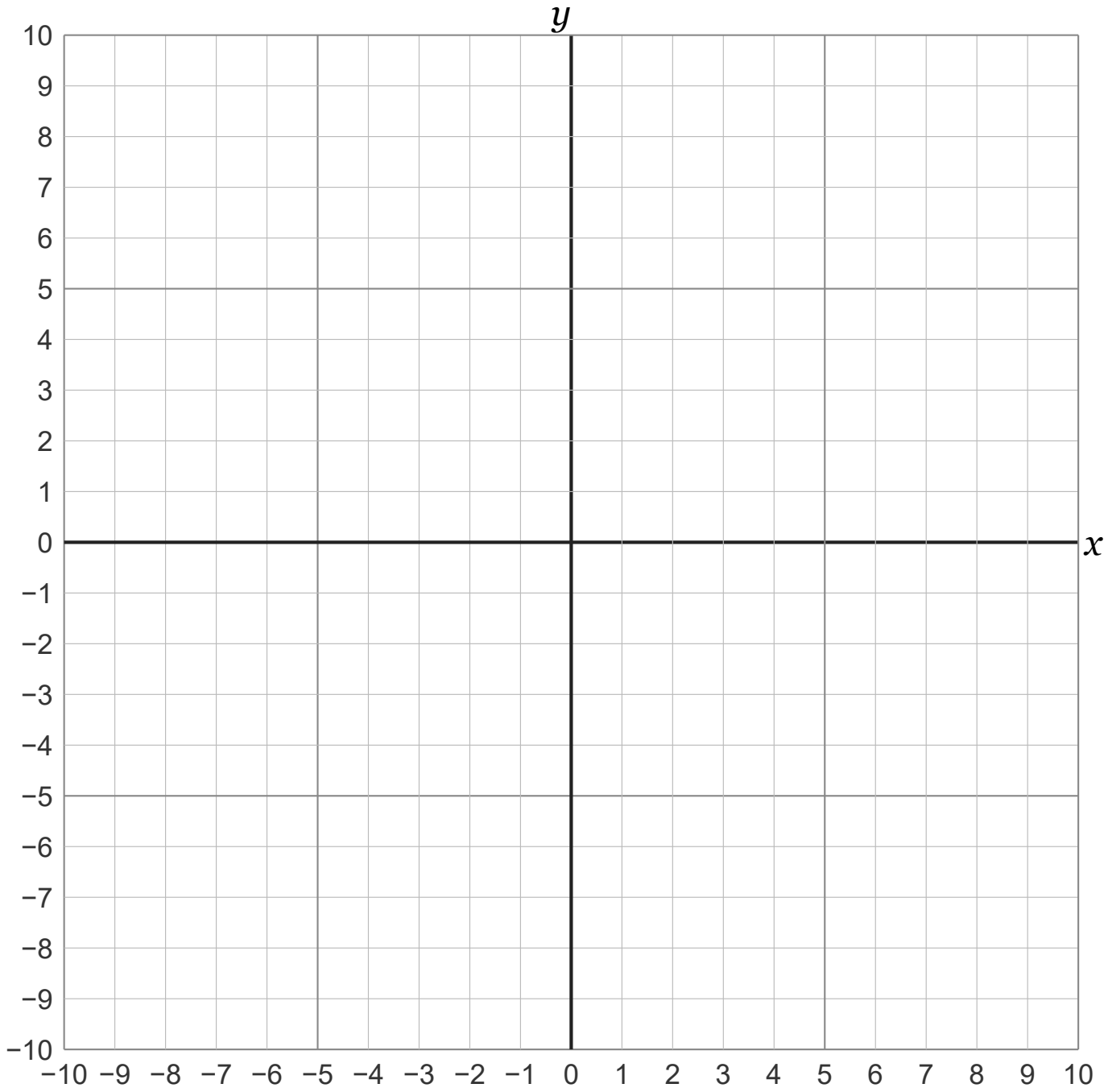
STOP · lift pencil

- ☐ (−5, −2)
- ☐ (5, −2)

STOP · lift pencil

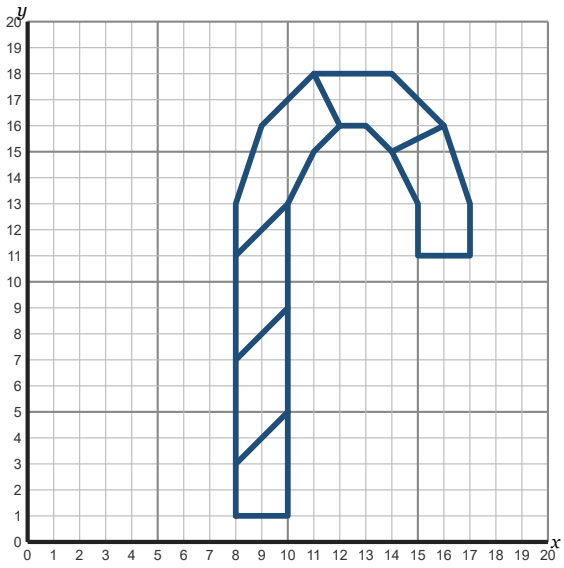
ALL FOUR QUADRANTS · −10 TO 10

Mystery Picture 2 · grid



Answer key

1. Candy Cane



2. Bell

