

Mystery Picture - Coordinate Graphing

Grade 10 Math and Arts Performance Task Quarter 2

Picture 1

Direction: Plot the following points on the Graphing paper. Connect the points with lines segments as you plot them. Keep connecting the points until you see **LINE ENDS**. Then start the next group. Shade in when finished.

1. (-5, -3)
(-4, -5)
(-3, -7)
(-3, -6)
(-2, -4)
(-1, 0)
LINE ENDS

2. (-7, 1)
(-8, 4)
(-9, 7)
(-8, 10)
(-7, 10)
(-5, 9)
(-3, 7)
(-2, 6)
(0, 7)
(2, 6)
(3, 7)
(5, 9)
(7, 10)
(8, 10)
(9, 7)
(8, 4)
(7, 1)
(3, 4)
(0, 1)
(-3, 4)
(-7, 1)
LINE ENDS

3. (-5, 0)
(-4, 0)
(-2, -1)
(-4, -1)
(-5, 0)
LINE ENDS

4. (5, -3)
(4, -5)
(3, -7)
LINE ENDS

5. (7, 1)
(8, -3)
(9, -7)
(8, -7)
(7, -6)
(4, -9)
(1, -10)
(-1, -10)
(-4, -9)
(-7, -6)
(-8, -7)
(-9, -6)
(-8, -2)
(-7, 1)
LINE ENDS

6. (5, 0)
(4, -1)
(2, -1)
(4, 0)
(5, 0)
LINE ENDS

7. (1, 0)
(2, -4)
(3, -6)
(3, -7)
(1, -8)
LINE ENDS

8. (-4, -1)
(-4, 0)
(-3, -1)
LINE ENDS

12. (-7, 4)
(-7, 9)
(-4, 6)
(-6, 3)
(-7, 4)
LINE ENDS

9. (-3, -7)
(-1, -8)
(1, -8)
(2, -6)
(1, -5)
(-1, -5)
(-2, -6)
(-1, -8)
LINE ENDS

10. (4, 6)
(7, 9)
(7, 5)
(6, 4)
(4, 5)
(4, 6)
LINE ENDS

11. (4, -1)
(4, 0)
(3, -1)
LINE ENDS

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Picture 2

Direction: Plot the following points on the Graphing paper. Connect the points with lines segments as you plot them. Keep connecting the points until you see **LINE ENDS**. Then start the next group. Shade in when finished.

1.
(-5, 13)
(-1, 14)
(2, 14)
(12, 6)
(12, 4)
(9, 1)
(10, -2)
(10, -7)
(5, -10)
(1, -11)

2. (3, 13)
(7, 16)
(10, 15)
(10, 13)
(7, 10)

3. (-7, 8)
(-5, 13)
(-8, 17)
(-10, 16)
(-12, 13)
(-11, 9)
(-13, 6)
(-14, -14)

4. (-15, -1)
(-14, -4)
(-3, -13)
(1, -13)
(1, -10)

5. (-14, 1)
(-18, 0)
(-18, -3)
(-17, -5)

6. (6, 5)
(6, 3)
(5, 2)
(5, 1)
(8, -3)
(9, -3)
(9, -5)
(7, -6)
(5, -8)
(1, -8)
(-3, -5)
(-3, -10)
(-2, -11)
(0, -11)
(0, -9)
(1, -8)

7. (8, -3)
(7, -3)
(6, -4)
(6, -6)
(7, -6)

8. (-2, 4)
(-1, 5)
(2, 6)

9. (8, 6)
(10, 5)
(11, 4)

10. (-2, -11)
(-2, -9)
(-3, -8)

11. Eyes
(0, 0) and (7, 0)

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Picture 3

Direction: Plot the following points on the Graphing paper. Connect the points with lines segments as you plot them. Keep connecting the points until you see **LINE ENDS**. Then start the next group. Shade in when finished.

1. (8, 5)
(5, 9)
(5, 11)
(8, 13)
(13, 13)
(15, 11)
(15, 7)
(13, 5)
(8, 5)

2. (9, 5)
(8, 1)
(5, -2)
(2, -2)
(-2, 4)
(-2, 1)
(-1, -6)
(3, -10)
(5, -10)
(6, -9)
(6, -1)
(7, -2)
(9, -2)
(12, 1)
(13, 5)

3. (5, 10)
(2, 8)
(0, 6)
(-2, 7)
(-4, 7)
(-6, 5)
(-6, 2)
(-4, -1)
(-4, -14)
(-2, -16)
(4, -16)
(9, -13)
(9, -10)
(7, -2)

4. (-6, 11)
(-1, 14)
(3, 16)
(6, 16)
(8, 13)
(4, 11)
(1, 9)
(-3, 9)
(-6, 11)

5. (1, 15)
(-1, 15)
(-7, 12)
(-11, 9)
(-15, 13)
(-17, 13)
(-18, 11)
(-18, 8)
(-16, 4)
(-12, 4)
(-10, 2)
(-7, 1)
(-7, -5)
(-9, -14)
(-13, -13)

6. (-18, 8)
(-17, 10)
(-15, 10)
(-12, 7)
(-12, 4)

7. Eyes (1, 10)
and (5, 12)

8. (-3, 2) – (3,7)
(-1, 0) – (4, 6)
(2, 0) – (5, 5)

9. (15, 11) – (17, 12)
(15, 10) – (17, 10)
(15, 8) – (17, 7)

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Picture 4

Direction: Plot the following points on the Graphing paper. Connect the points with lines segments as you plot them. Keep connecting the points until you see **LINE ENDS**. Then start the next group. Shade in when finished.

Group 1:

(2, -3)

(-2, -3)

(-4, -1)

(-5, 1)

(-6, 5)

(-6, 15)

(-5, 17)

(-3, 18)

(3, 18)

(5, 17)

(6, 15)

(6, 5)

(5, 1)

(4, -1)

(2, -3)

Line ends

Group 2:

(-4, -1)

(-4, 3)

(-6, 6)

(-5, 9)

(-5, 15)

(-3, 16)

(-2, 16)

(-1, 11)

(1, 11)

(2, 16)

(3, 16)

(5, 15)

(5, 9)

(6, 6)

(4, 3)

(4, -1)

Line ends

Group 3:

(-4, 1)

(-3, 0)

(-2, 1)

(2, 1)

(3, 0)

(4, 1)

Line ends

Group 4:

(-4, 8)

(-1, 7)

(1, 7)

(4, 8)

(5, 7)

(4, 6)

(2, 6)

(1, 7)

(-1, 7)

(-2, 6)

(-4, 6)

(-5, 7)

(-4, 8)

Line ends

Group 5:

(-6, 5)

(-9, 5)

(-11, 4)

(-11, 3)

(-15, 3)

(-20, 1)

Line ends

Group 6:

(6, 5)

(9, 5)

(11, 4)

(11, 3)

(16, 3)

(20, 1)

Line ends

Group 7:

(-13, -20)

(-14, -16)

(-13, -13)

(-14, -10)

(-15, -13)

(-16, -17)

(-18, -20)

Line ends

Group 8:

(13, -20)

(14, -16)

(13, -13)

(14, -10)

(15, -13)

(16, -17)

(18, -20)

Line ends

Group 9:

(-13, -11)

(-12, -10)

(-12, -8)

(-11, -8)

(-10, -6)

(-8, -6)

(-2, -9)

(2, -9)

(8, -6)

(10, -6)

(11, -8)

(12, -8)

(12, -10)

(13, -11)

Line ends

Group 10:

(-2, -14)

(-1, -13)

(1, -13)

(2, -14)

(2, -17)

(1, -18)

(-1, -18)

(-2, -17)

(-2, -14)

Line ends

Group 11:

(6, 4)

(7, 1)

(6, -5)

(8, -2)

(10, -3)

(11, -5)

(11, -6)

(12, -6)

(14, -3)

(17, -3)

(20, -4)

(17, -3)

(14, -3)

(14, 1)

(13, 3)

Line ends

Group 12:

(-6, 4)

(-7, 1)

(-6, -5)

(-8, -2)

(-10, -3)

(-11, -5)

(-11, -6)

(-12, -6)

(-14, -3)

(-17, -3)

(-20, -4)

(-17, -3)

(-14, -3)

(-14, 1)

(-13, 3)

Line ends

Group 13:

(5, -13)

(6, -14)

(6, -17)

(3, -20)

(2, -19)

(-2, -19)

(-4, -17)

(-4, -14)

(-2, -12)

(2, -12)

(4, -9)

(8, -8)

(11, -8)

Line ends

Group 14:

(-5, -13)

(-6, -14)

(-6, -17)

(-3, -20)

(-2, -19)

(2, -19)

(2, -19)

(4, -17)

(4, -14)

(2, -12)

(-2, -12)

(-4, -9)

(-8, -8)

(-11, -8)

Line ends

Group 15:

(-5, -4)

(-2, -5)

(-1, -6)

(1, -6)

(2, -5)

(5, -4)

Line ends