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# Activity 25: Multiplication/Division with Variables

**Directions:** Solve each problem. Use the answers to complete the ordered pairs. Then plot the points on the graph paper. They will form a picture when connected in order.

| | | | |
|---|---|---|---|
| $^{-}20 = {}^{-}2 \times A$ | A = _____ | F x 5 = 5 | F = _____ |
| $42 \div B = 3$ | B = _____ | $^{-}4 \times G = {}^{-}48$ | G = _____ |
| $^{-}4 = 4 \div C$ | C = _____ | $0 = H \div (^{-}3)$ | H = _____ |
| D x 4 = 32 | D = _____ | $50 \div I = {}^{-}5$ | I = _____ |
| $3 = {}^{-}12 \div E$ | E = _____ | $J \times (^{-}9) = {}^{-}54$ | J = _____ |

(A_____, B_____)
(G_____, B_____)
(B_____, G_____)
(B_____, A_____)
(G_____, D_____)
(A_____, D_____)
(D_____, A_____)
(D_____, G_____)
(A_____, B_____)
END OF LINE

(A_____, E_____)
(A_____, D_____)
END OF LINE

(A_____, B_____)
(D_____, 16)
(C_____, 16)
(C_____, $^{-}12$)
(2, $^{-}18$)
END OF LINE

(C_____, 2)
(I_____, C_____)
END OF LINE

(C _____, 2)
(7, F_____)
(7, $^{-}2$)
(F_____, E_____)
(C_____, $^{-}9$)
END OF LINE

(C_____, A_____)
(I_____, A_____)
($^{-}9$, 9)
(C_____, 9)
END OF LINE

(J_____, E_____)
(A_____, E_____)
(13, $^{-}6$)
(B_____, $^{-}8$)
(B_____, $^{-}13$)
(13, $^{-}15$)
(A_____, $^{-}17$)
(J_____, $^{-}17$)
(3, $^{-}15$)
(F_____, $^{-}12$)
(F_____, $^{-}9$)
(3, $^{-}6$)
(J_____, E_____)
END OF LINE

(F_____, $^{-}12$)
(H_____, $^{-}14$)
(I_____, $^{-}14$)
(I_____, H_____)
END OF LINE

*Teacher: Fold under at line before photocopying.*

Activity 25 Picture: Tractor

| | | | | |
|---|---|---|---|---|
| A = 10 | C = $^{-}1$ | E = $^{-}4$ | G = 12 | I = $^{-}10$ |
| B = 14 | D = 8 | F = 1 | H = 0 | J = 6 |

# Activity 28: Factors

**Directions:** Determine the value of each variable. Use the answers to complete the ordered pairs. Then plot the points on the graph paper. They will form a picture when connected in order.

| | |
|---|---|
| The unique factors of A are ($^-$1, $^-$2, $^-$7, **A**) | A = _____ |
| The unique factors of 18 are (1, 2, 3, 6, **B**, 18) | B = _____ |
| The unique factors of 50 are (1, 2, 5, **C**, 25, 50) | C = _____ |
| The unique factors of 33 are (1, 3, **D**, 33) | D = _____ |
| The unique factors of E are ($^-$1, $^-$2, $^-$3, **E**) | E = _____ |
| The unique factors of $^-$24 are ($^-$1, $^-$2, $^-$3, $^-$6, **F**, $^-$12, $^-$24) | F = _____ |
| The unique factors of 45 are (1, 3, 5, 9, **G**, 45) | G = _____ |
| The unique factors of 60 are (1, 2, 3, 4, 5, 6, 10, **H**, 15, 20, 30, 60) | H = _____ |
| The unique factors of 40 are (1, 2, 4, 5, **I**, 10, 20, 40) | I = _____ |
| The unique factors of 70 are (1, 2, 5, 7, 10, **J**, 35, 70) | J = _____ |

(7, $^-$9)
(6, A_____)
(5, A_____)
(5, F_____)
END OF LINE

($^-$5, F_____)
($^-$4, A_____)
($^-$3, A_____)
($^-$3, F_____)
END OF LINE

(C_____, H_____)
(D_____, H_____)
(D_____, D_____)
(C_____, D_____)
(C_____, H_____)
END OF LINE

(B_____, 13)
(B_____, J_____)
(I_____, G_____)
(I_____, J_____)
(B_____, 13)
END OF LINE

(G_____, C_____)
(H_____, C_____)
END OF LINE

($^-$13, A_____)
(J_____, A_____)
END OF LINE

(B_____, E_____)
(D_____, B_____)
(G_____, C_____)
(G_____, D_____)
(B_____, 13)
(7, C_____)
(I_____, B_____)
(6, $^-$2)
(E_____, $^-$3)
(F_____, E_____)
($^-$7, $^-$7)
(E_____, $^-$5)
($^-$7, A_____)
(E_____, A_____)
($^-$5, F_____)
(7, F_____)
(I_____, A_____)
(B_____, A_____)
(B_____, E_____)
END OF LINE

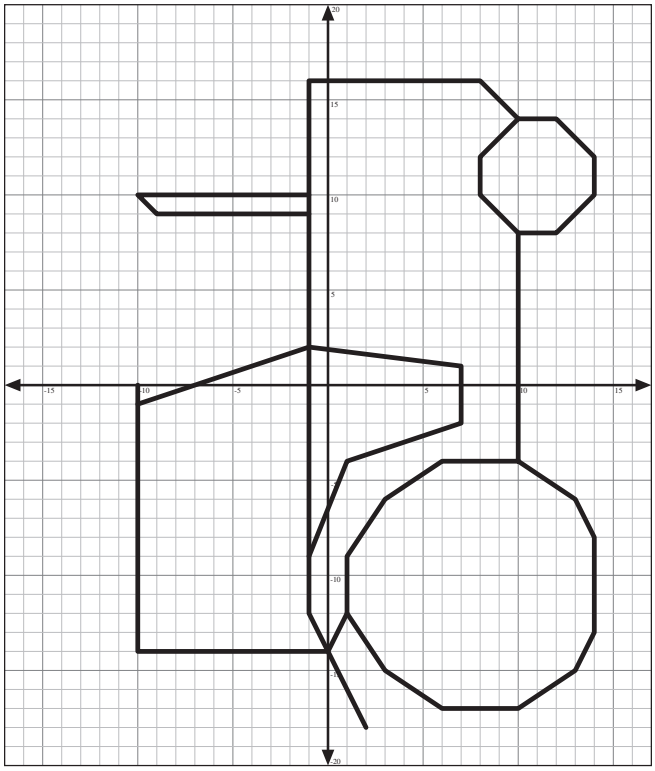
*Teacher: Fold under at line before photocopying.*

Activity 28 Picture: Giraffe

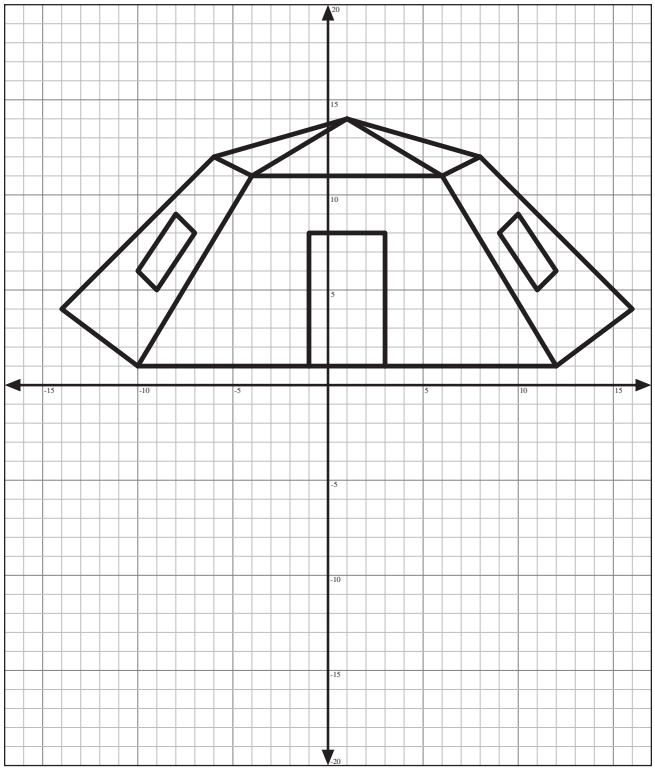
| | | | | |
|---|---|---|---|---|
| A = $^-$14 | C = 10 | E = $^-$6 | G = 15 | I = 8 |
| B = 9 | D = 11 | F = $^-$8 | H = 12 | J = 14 |

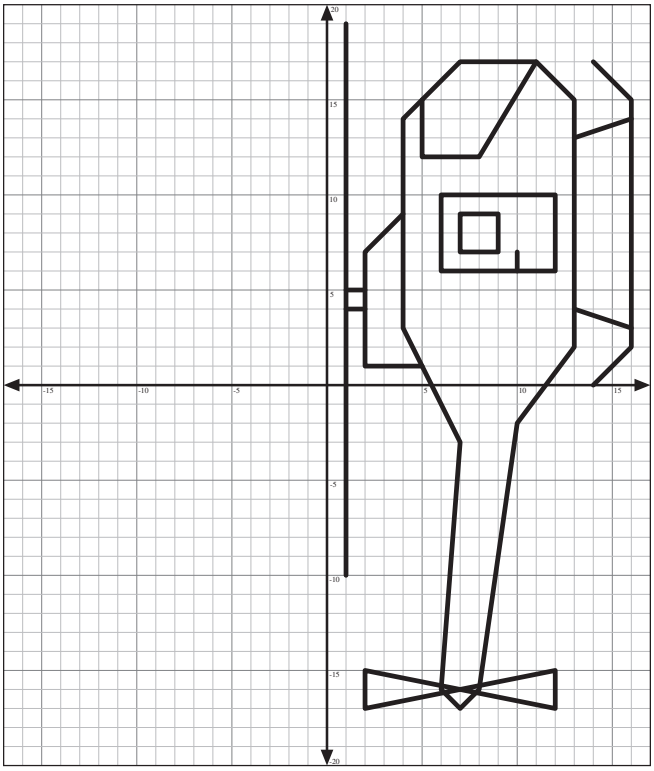
## Activity 25: Tractor, page 33



## Activity 26: Tent, page 34



## Activity 27: Helicopter, page 35



## Activity 28: Giraffe, page 36