

15. (i) Simplify by collecting the like terms:

$$6m + 2d - 4m + 3d$$

Answer: _____ [2]

- (ii) Given that $x = 20$, find the value of

$$\frac{x+15}{7}$$

Answer: _____ [2]

- (iii) Solve for c

$$3c + 8 = 20$$

Answer: _____ [2]

15. (a) Solve for p :

$$5p - 13 = 42$$

Answer: _____ [2]

- (b) Simplify:

$$2g + 8h + 5g - 2h$$

Answer: _____ [2]

15. A book has 450 pages.
Karen has read 20% of the book.

Calculate how many pages she has **not** read.

Answer: _____ [3]

15. Trevor has a bag of marbles.

2 are black
1 is blue
5 are red



One marble is chosen at random.

Determine the probability that it is:

(i) red, _____ [2]

(ii) black or blue, _____ [1]

(iii) green. _____ [1]

15. A jar contains 13 gumballs. 7 red, 4 blue and 2 yellow.

If a gumball is selected at random, what is the probability of selecting a

(a) blue,

Answer: _____ [1]

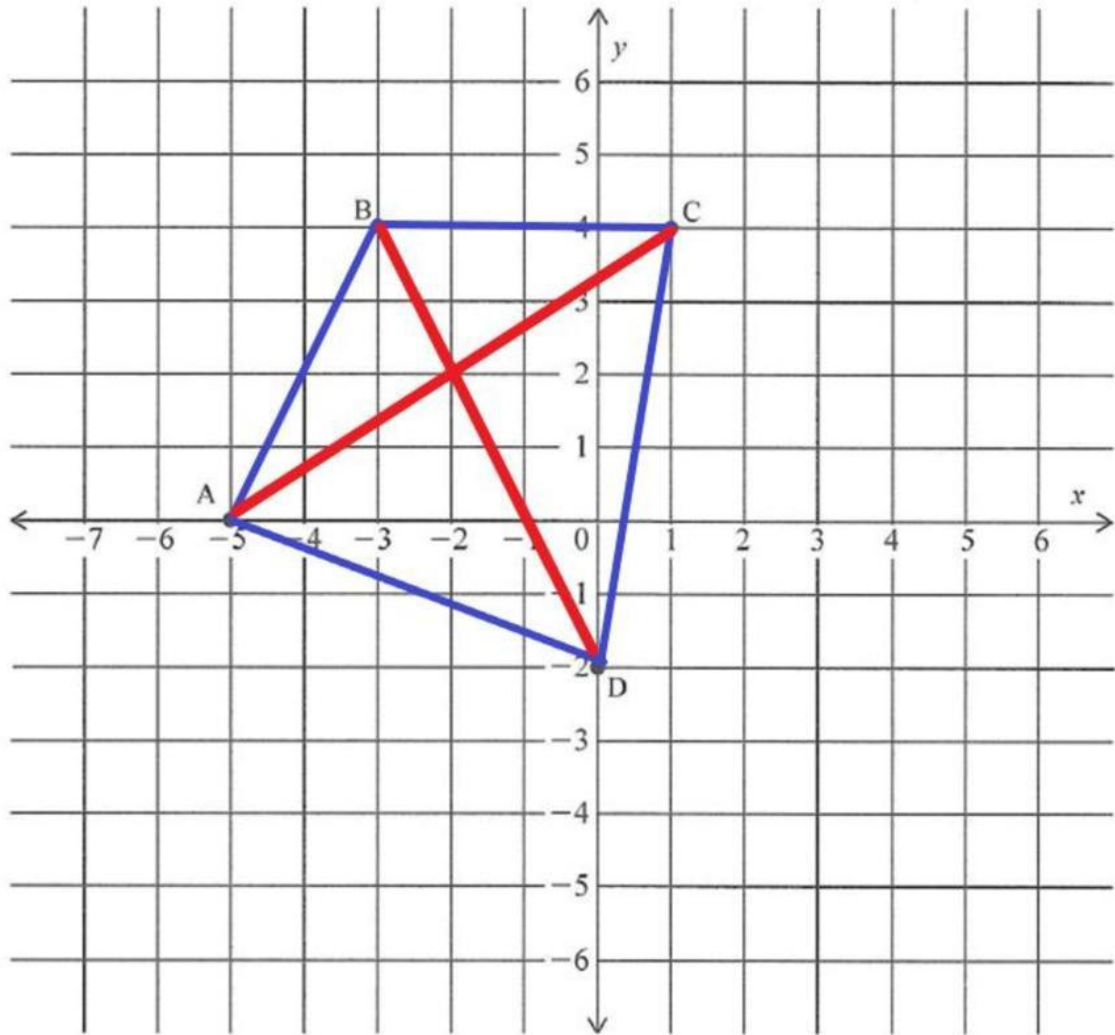
(b) red or yellow,

Answer: _____ [2]

(c) white.

Answer: _____ [1]

15.



(a) Use a ruler and pencil to join the points ABCD in order to form a quadrilateral. [1]

(b) Draw in the two diagonals of the quadrilateral. [2]

(c) Write the coordinates of the point where the two diagonals intersect.

(_____ , _____)

[1]