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]

LIVEWORKSHEETS

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,

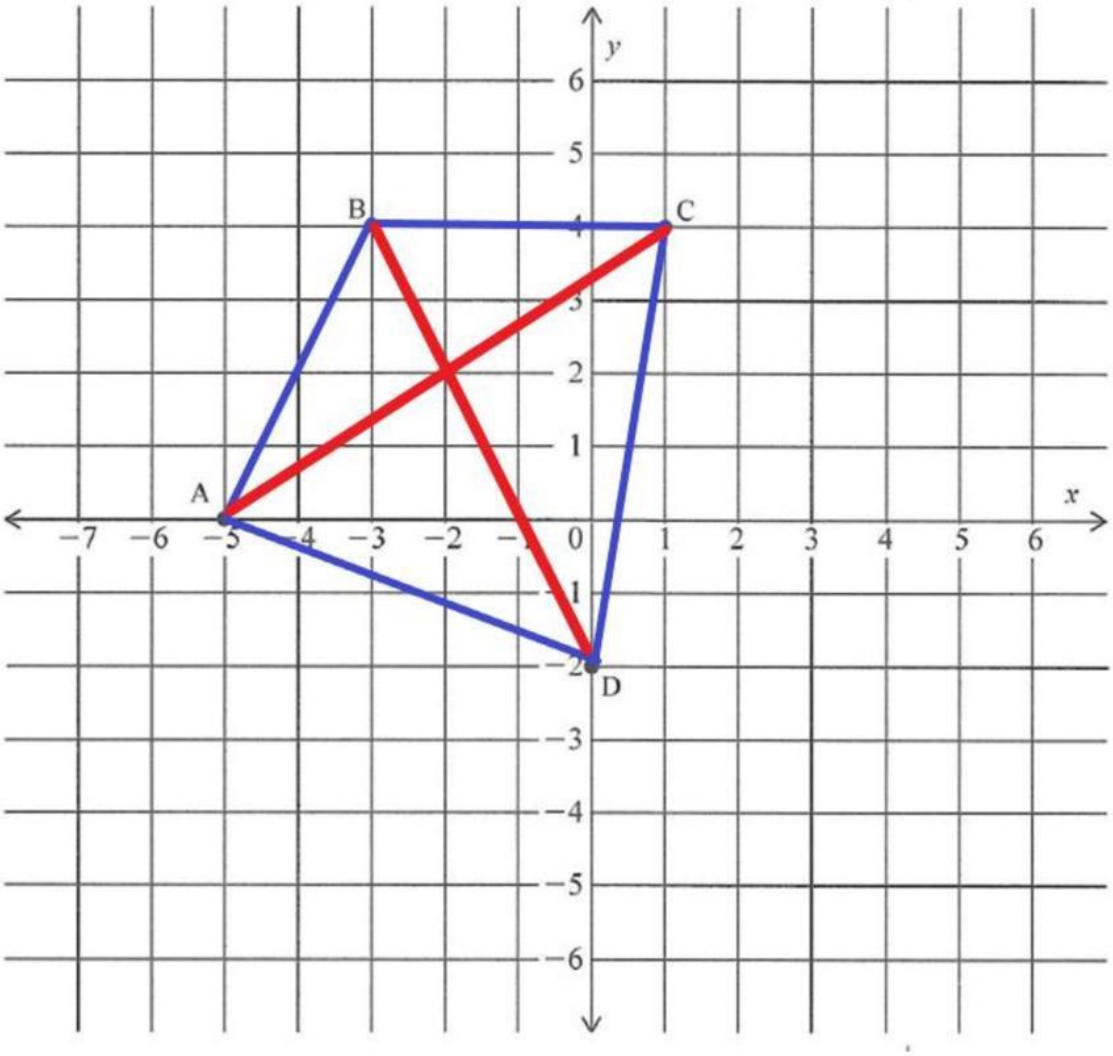
Answer: _____ [2]

(c) white.

Answer: _____ [1]

LIVEWORKSHEETS

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]

LIVEWORKSHEETS