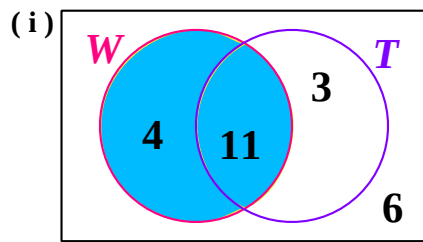
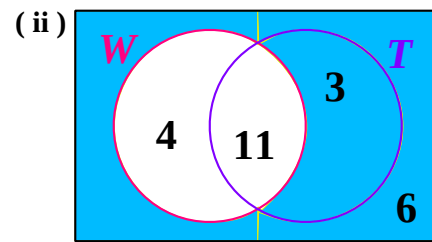


4.7 Answers

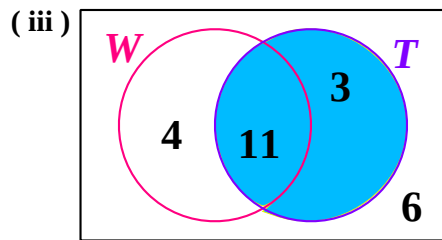
4.7.1 Solutions to 4.2 Example (Teaching Video)



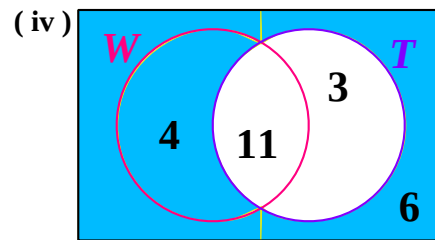
$$n(W) = 15$$



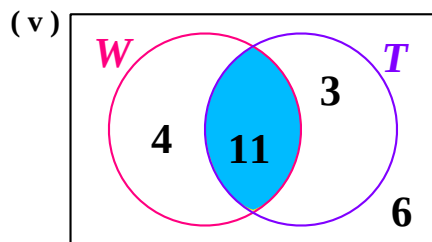
$$n(W') = 9$$



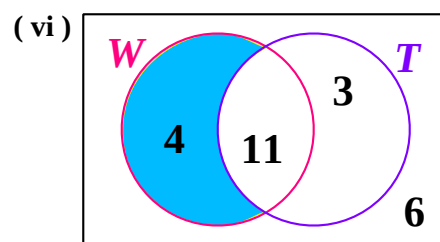
$$n(T) = 14$$



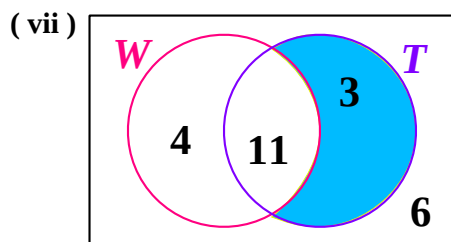
$$n(T') = 10$$



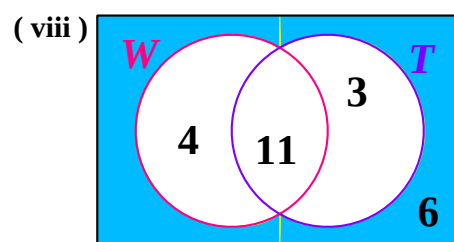
$$n(W \cap T) = 11$$



$$n(W \cap T') = 4$$



$$n(W' \cap T) = 3$$

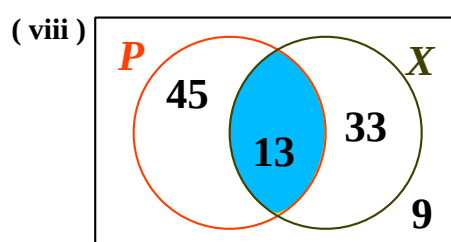
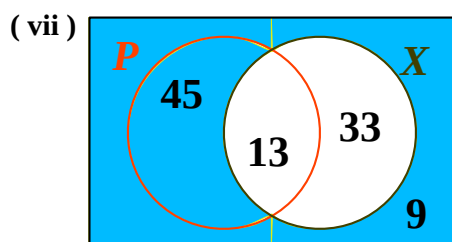
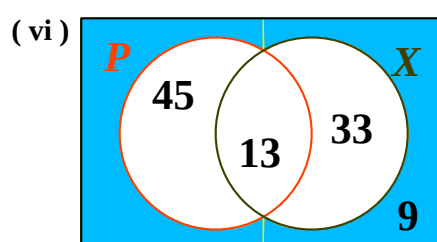
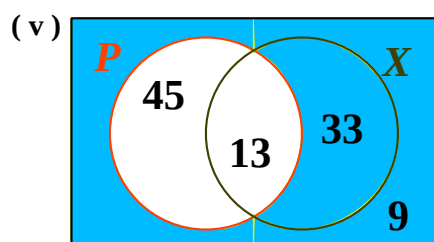
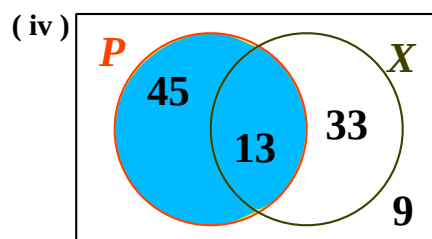
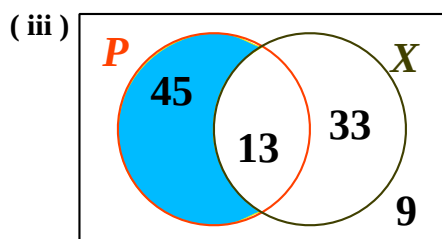
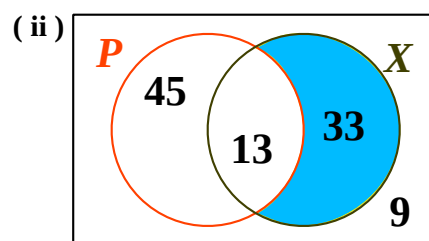
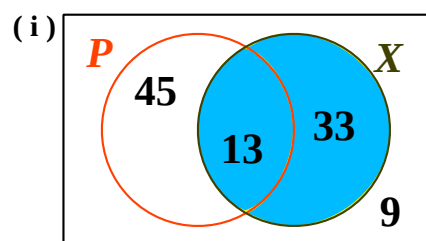


$$n(W' \cap T') = 6$$

[16 marks]

4.7.2 Solutions to 5.6 Exercise

Answer 1



[16 marks]

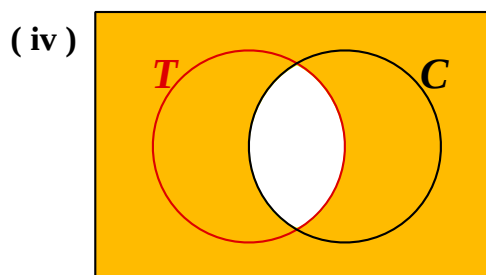
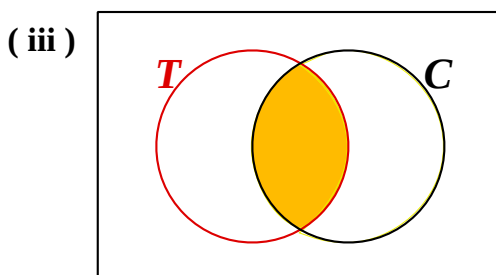
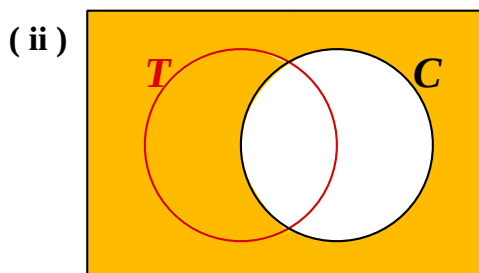
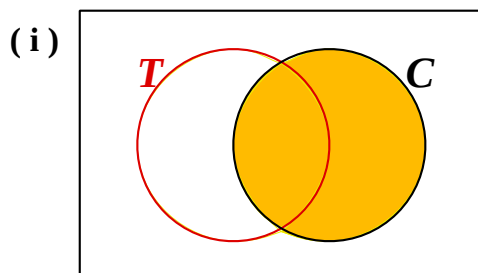
Answer 2

(i) C

(ii) C'

(iii) $C \cap T$

(iv) $(C \cap T)'$



[4 marks]

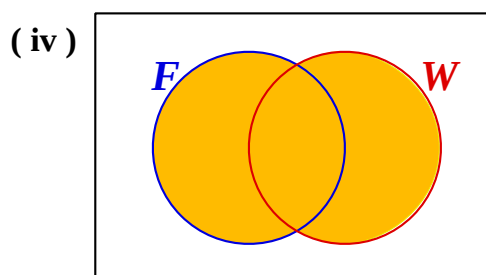
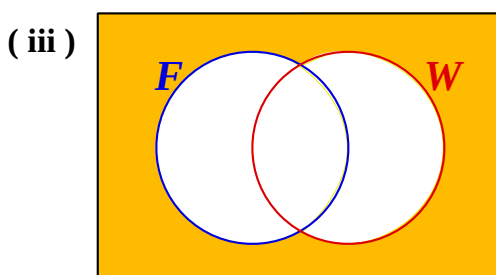
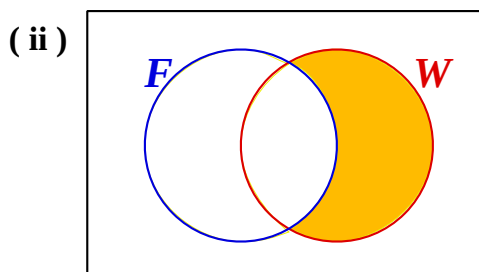
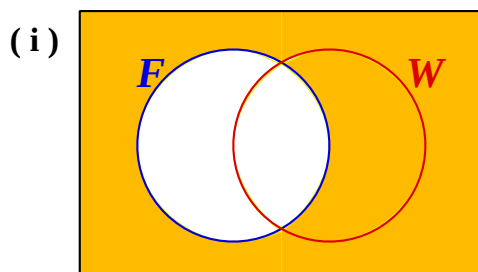
Answer 3

(i) F'

(ii) $F' \cap W$

(iii) $F' \cap W'$

(iv) $(F' \cap W')'$



[4 marks]

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In October 2020, Shrewsbury School was voted "**Independent School of the Year 2020**"

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Teachers may obtain detailed worked solutions to the exercises by email from mhh@shrewsbury.org.uk