

MATHEMATICS

Class-7th

Chapter-14

Symmetry

Exercise-14.2

part-I

By:-A.K.Jha

Mathematics

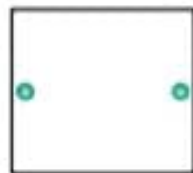
(Chapter – 14) (Symmetry)

(Class – VII)

Exercise 14.1

Question 1:

Copy the figures with punched holes and find the axes of symmetry for the following:



(a)



(b)



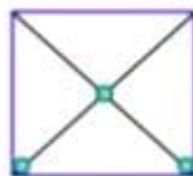
(c)



(d)



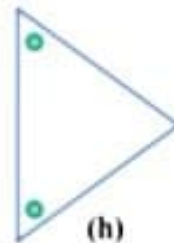
(e)



(f)



(g)



(h)



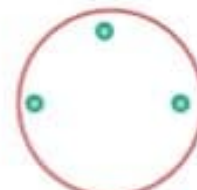
(i)



(j)



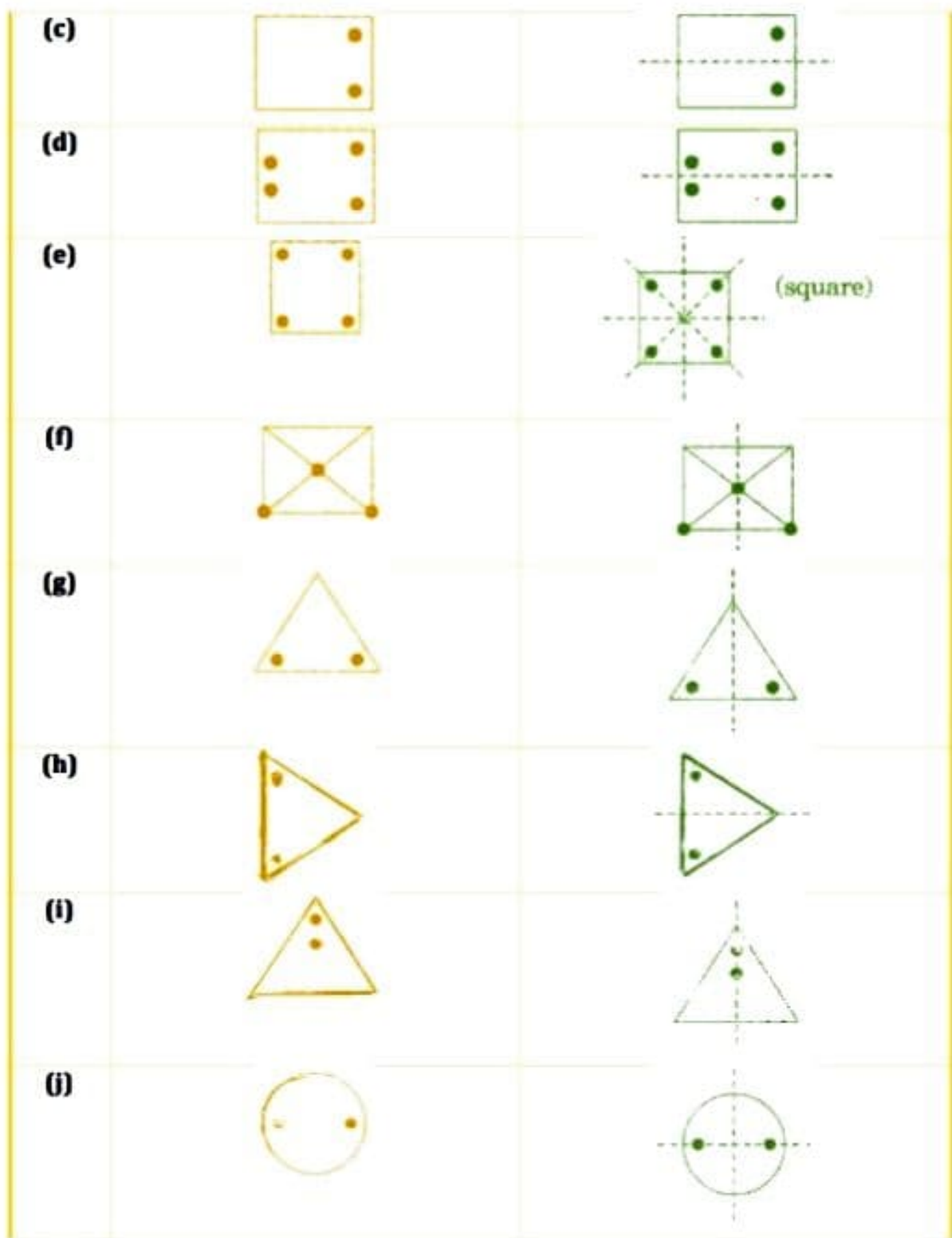
(k)



(l)

Answer 1:

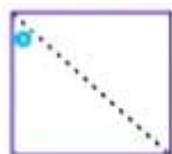
S.No.	Punched holed figures	The axes of symmetry
(a)		 (rectangle)
(b)		 (square)





Question 2:

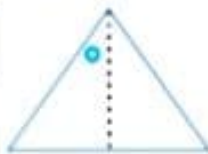
Express the following in exponential form:



(a)



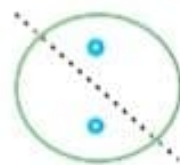
(b)



(c)




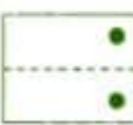
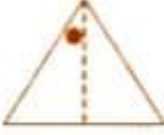
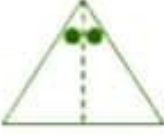




(d)

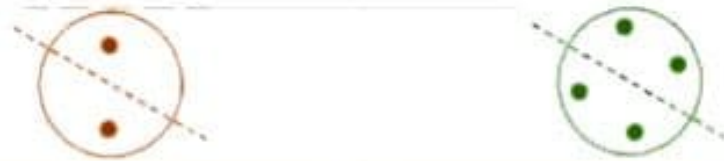


(e)

Answer 2:

S.No.	Line(s) of symmetry	Other holes on figures
(a)		
(b)		
(c)		
(d)		

(e)



Question 3:

In the following figures, the mirror line (i.e., the line of symmetry) is given as a dotted line. Complete each figure performing reflection in the dotted (mirror) line. (You might perhaps place a mirror along the dotted line and look into the mirror for the image). Are you able to recall the name of the figure you complete?



(a)



(b)



(c)



(d)







(e)



(f)

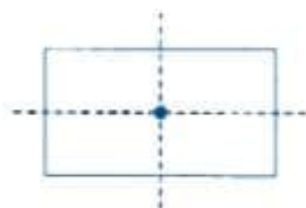
Answer 3:

S.No.	Question figures	Complete figures	Names of the figure
(a)			Square
(b)			Triangle
(c)			Rhombus
(d)			Circle

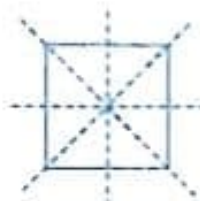
(e)			Pentagon
(f)			Octagon

Question 4:

The following figures have more than one line of symmetry. Such figures are said to have multiple lines of symmetry:



(a)



(b)



(c)

Identify multiple lines of symmetry, if any, in each of the following figures:



(a)



(b)



(c)



(d)



(e)



(f)




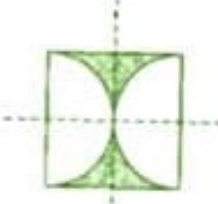



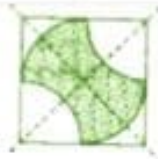

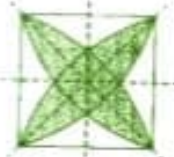




(g)



(h)

Answer 4:

S.No.	Problem Figures	Lines of symmetry
(a)		
(b)		
(c)		
(d)		
(e)		
(f)		
(g)	