

## Application\_Grade-7\_Symmetry

### Rotational Symmetry

What is the order of rotational symmetry of a regular pentagon?

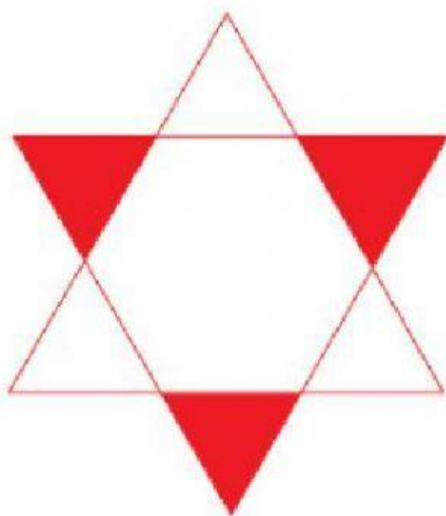
A 2

B 5

C 10

D 15

This star is made up of equilateral triangles:



What is the order of rotational symmetry of the star?

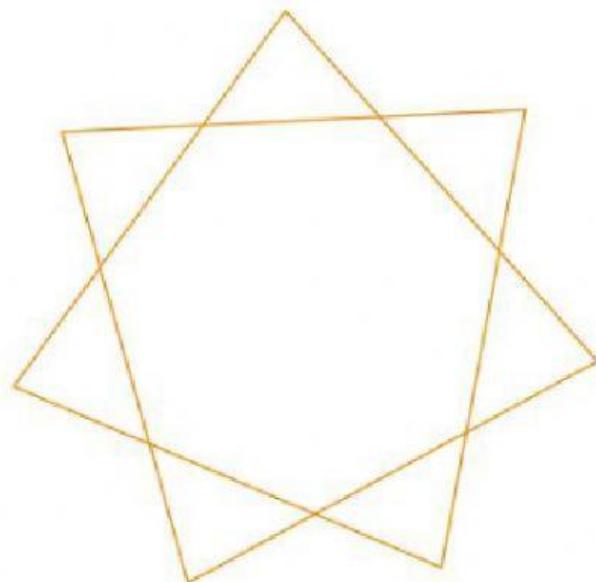
A 3

B 4

C 6

D 12

What is the order of rotational symmetry of this star?

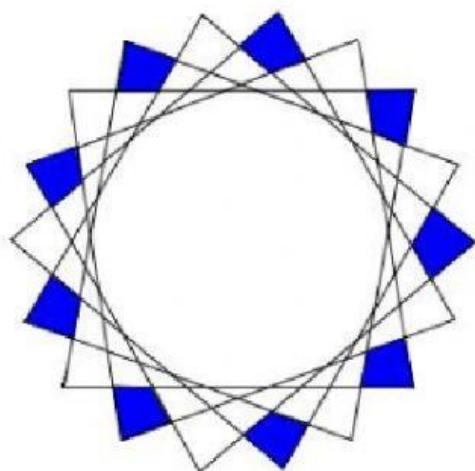


A 5

B 6

C 7

D 8



What is the order of rotational symmetry of the above pattern?

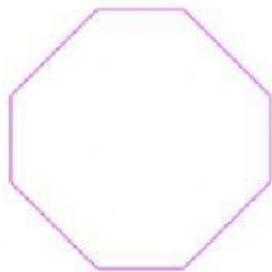
A 6

B 9

C 12

D 18

What is the order of rotational symmetry of this octagon?



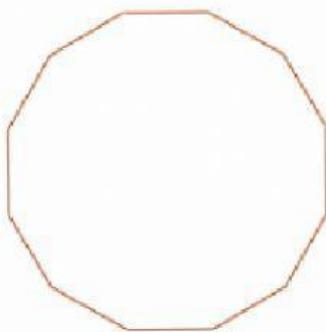
(Hint: look at the side lengths carefully)

A 2

B 4

C 6

D 8



The diagram shows the outline of a 50 cent coin from Fiji.

What is its order of rotational symmetry?

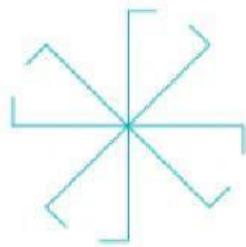
A 8

B 9

C 12

D 15

What is the order of rotational symmetry of this shape?

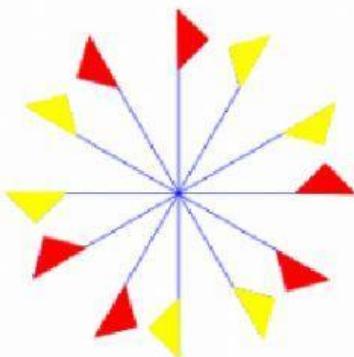


A 2

B 4

C 8

D 16



What is the order of rotational symmetry of the above pattern?

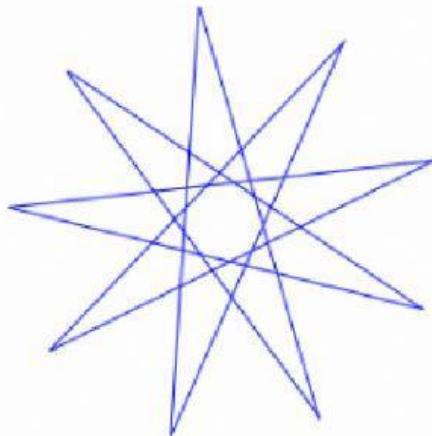
A 3

B 4

C 6

D 12

What is the order of rotational symmetry of this star?



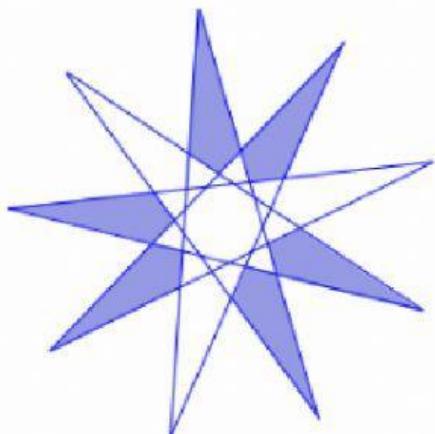
A 7

B 8

C 9

D 10

What is the order of rotational symmetry of this star?



A 3

B 4

C 6

D 9