Bannai School Name: ..... Class: 5i

MATH – [MARCH] – [WEEK 26]

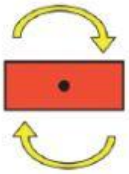
ACHIEVEMENT		COMMENT	
☐ Excellent ☐ Very good ☐ Good	☐ Fair ☐ Need improvement	Knowledge Skills Attitude	

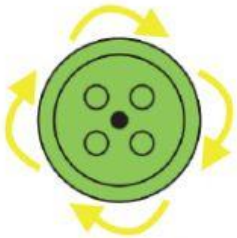
LESSON: Polygons and rotaional

REMEMBER

A shape has **rotational symmetry** if it can be rotated about a point to another position and still look the same.

The **order** of rotational symmetry is the number of times the shape looks the same in one full turn. A rectangle has rotational symmetry of order 2. This button has rotational symmetry of order 4.



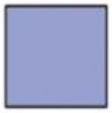


EXERCISES:

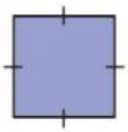
1

Copy and complete these properties of a square. Show each one on a diagram. Diagrams a, b and e have been done for you.

a A square is a _____.



b It has _____ equal sides.



c It has _____ pairs of parallel sides.

d The sides meet at _____°.

e The diagonals _____ each other at 90°.



f It has _____ lines of symmetry.

2

Copy and complete these properties of a parallelogram. Show each one on a diagram. Diagrams a, d and f have been done for you.

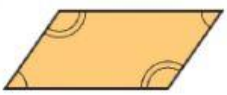
a A parallelogram is a _____.



b It has _____ pairs of equal sides.

c It has _____ pairs of parallel sides.

d It has _____ pairs of equal angles.



e The diagonals _____ each other.

f It has _____ lines of symmetry.



LIVEWORKSHEETS

3

Sort these cards into their correct groups.

Each group must have one blue, one green and one yellow card.

A Rectangle

a Order of rotational symmetry is 3

B Scalene triangle

i 

b Order of rotational symmetry is 2

C Equilateral triangle

ii 

c Order of rotational symmetry is 1

iii 

4

Write down the missing numbers from each of these statements.

a A square has _____ equal sides.

b A parallelogram has _____ pairs of parallel sides.

c The diagonals of a kite meet at _____°.

d An isosceles trapezium has _____ pair of equal sides.

e A rectangle has _____ lines of symmetry.

f A rhombus has _____ pairs of equal angles.

5

Write down the order of rotational symmetry of each of these road signs.

a 

b 

c 

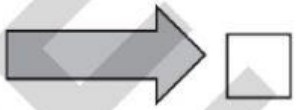
d 

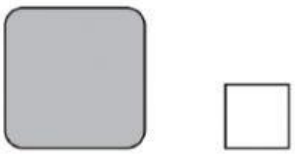
6

Use tracing paper to work out the order of rotational symmetry of these shapes.

a 

b 

c 

d 

e 

f 

LIVEWORKSHEETS