

CHAPTER 10 Symmetry

This chapter can be done earlier, but should be done before Chapter 11.

EXERCISE 10a (p. 148)

1, 3, 4 and 6

EXERCISE 10b (p. 150)

1. 2
2. 1

3. 0

4. 1

5. 2

6. 2

EXERCISE 10c (p. 152)

1. 6

2. 6

3. 0

4. 3

EXERCISE 10d (p. 153)

It is advisable to point out that the amount of rotation must not be a complete revolution.

2, 3 and 5

9. In Exercise 10c, numbers 1, 2, 3, 4, 7 and 8 have rotational symmetry.

EXERCISE 10e (p. 155)

1. yes
2. no

3. yes
4. yes

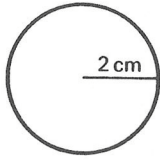
5. yes
6. yes

7. no

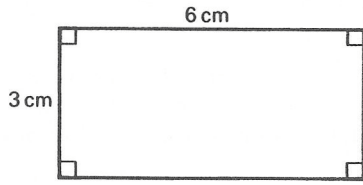
8. yes

EXERCISE 10f (p. 156)

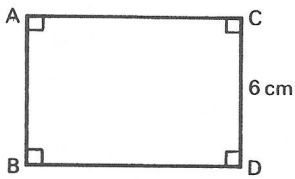
1.



2.



3. a)



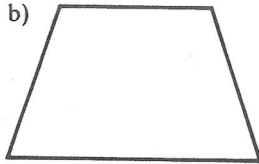
No

b) rectangle

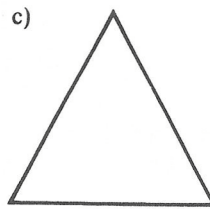
4. a)



b)



c)



EXERCISE 10g (p. 158)

1. yes

3. yes

5. yes

7. e.g. saucepan, milk bottle

2. no

4. yes

6. no