

Good morning Year 3s, here is your maths for today.

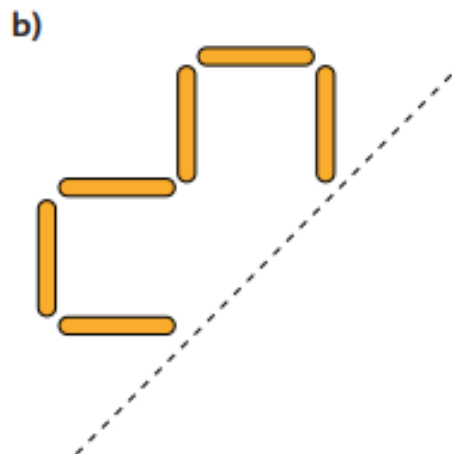
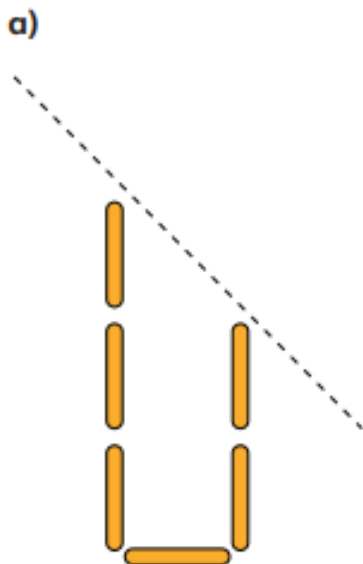
Go to <https://www.bbc.co.uk/bitesize/articles/zwksm39> and watch the video about reflecting shapes when the line of symmetry is diagonal, then complete the tasks below.

Think together

1 Complete the symmetric figures using lolly sticks.



2 Complete these symmetric shapes made of lolly sticks.



- 3 Kate makes three conjectures about symmetric shapes.
Prove which are true and which are false.
Use squared paper to help you.



Kate

I can draw a quadrilateral that when reflected along one side will create a pentagon.

If half my shape has three sides then the reflected shape must be a hexagon.

If I reflect a shape the number of sides always doubles.

Draw the lines with a ruler and reflect the shapes as accurately as you can.

Completing a symmetric shape

- I** Complete the symmetric shapes. Name each shape once you have drawn it.

a)



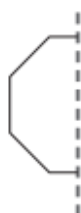
Name of shape: _____

b)



Name of shape: _____

c)



Name of shape: _____

d)

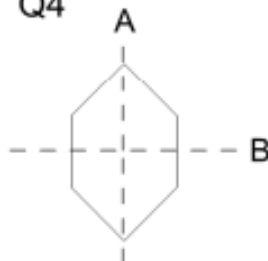


Name of shape: _____

Shape and Space

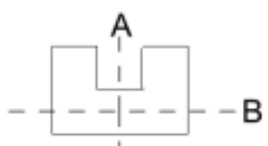
Look at the shapes below.
Which of these lines are lines of symmetry?
Underline the correct answers.

Q4



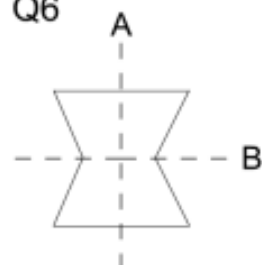
- a. Line A only
- b. Line B only
- c. Both lines A and B
- d. Neither

Q5



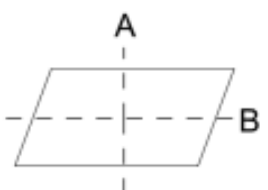
- a. Line A only
- b. Line B only
- c. Both lines A and B
- d. Neither

Q6



- a. Line A only
- b. Line B only
- c. Both lines A and B
- d. Neither

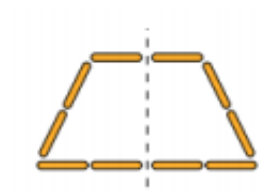
Q7



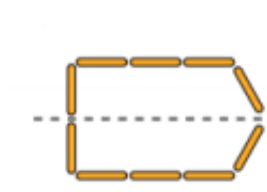
- a. Line A only
- b. Line B only
- c. Both lines A and B
- d. Neither

Answers

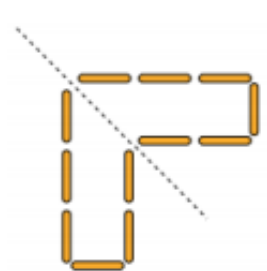
1 a):



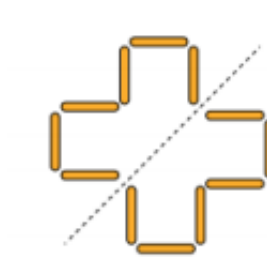
1 b):



2 a):



3 b):



3 : 1. True – you can draw a right angled trapezium, for example.

2. False – it will depend where the line of symmetry is.

3. False – it will depend where the line of symmetry is.

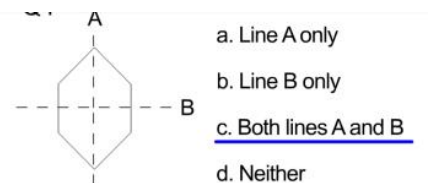
Answers

a) Rectangle

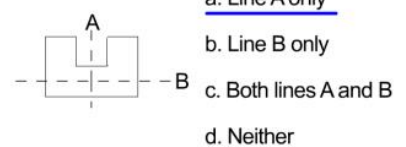
b) Hexagon

c) Octagon

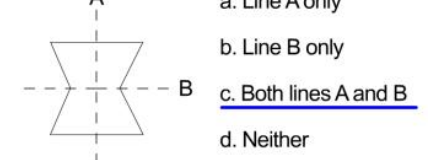
d) Triangle (isosceles)



Q5



Q6



Q7

