Properties of Shapes
End-of-Strand Assessment

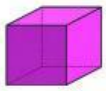
Name: _____ Date: _____

(Please note: a protractor is required for this assessment.)

1. Match each 3D shape to the correct name.



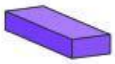
cuboid



tetrahedron



triangular prism



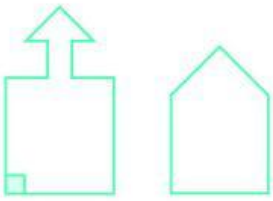
square-based pyramid



cube

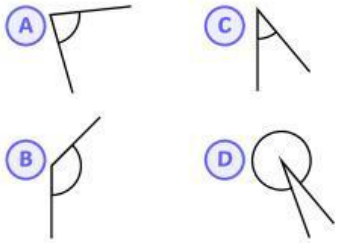
2 marks

2. Mark all of the right angles inside these shapes. The first one has been done for you.



1 mark

3.



Are these statements true or false?

Angle B is an obtuse angle. ☐

Angle B is larger than angle D. ☐

Angle C is the smallest angle. ☐

Angle D is an acute angle. ☐

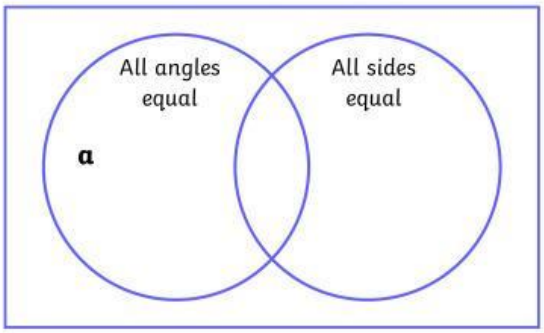
Angle A is a reflex angle. ☐

2 marks

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4. Sort these shapes by writing each letter in the correct place on the Venn diagram. The first one has been done for you.



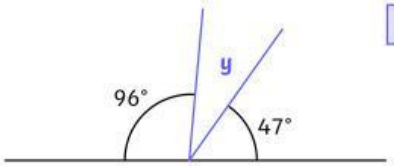


2 marks

5. From the dot, draw a horizontal line that is 6.3cm in length. Then, draw and label an angle measuring 35° from this line.

2 marks

6. Calculate the value of angle y.
Do not use a protractor to measure the angle.

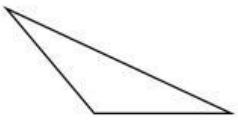


y = °

1 mark

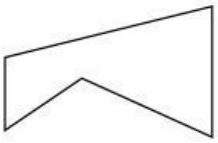
7. Use a protractor to measure the obtuse angle in each of these shapes.

a)



°

b)



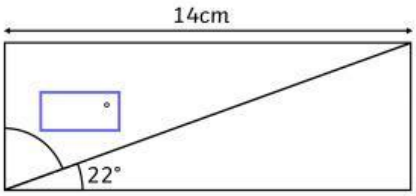
°

2 marks

LIVEWORKSHEETS

8. Calculate the missing measurements.

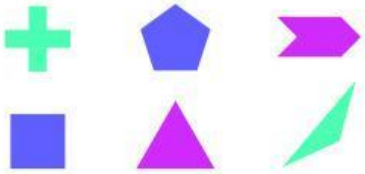
not to scale



2 marks

perimeter = 40cm

9. a) Circle all of the shapes below that are irregular polygons.



b) Explain why you think the shapes you circled are irregular polygons.

2 marks

10. Use the compass to identify the number of degrees in each turn.



Turn clockwise from NE to SE. ____ °

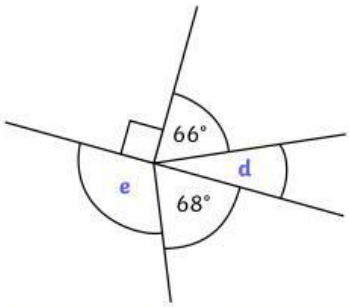
Turn anticlockwise from SW to NE. ____ °

Turn clockwise from N to W. ____ °

2 marks

11. Calculate the values of angles d and e.
Do not use a protractor to measure the angles.

not to scale

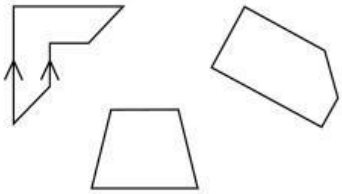


e = ____ ° d = ____ °

2 marks

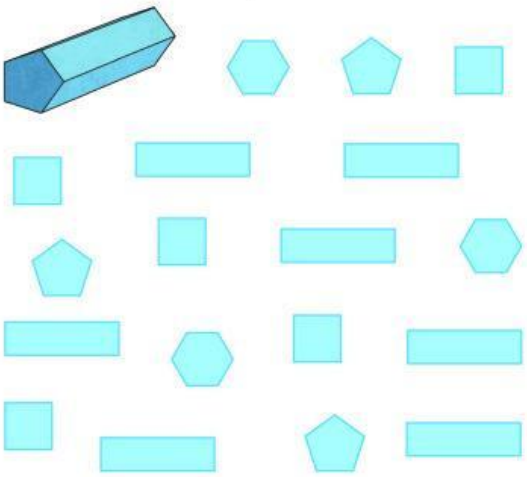
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12. Identify and mark all of the pairs of parallel lines on these shapes. The first pair has been marked for you.



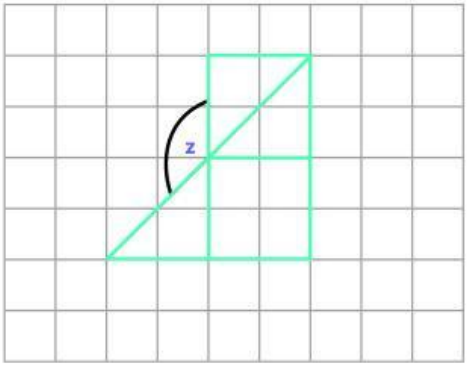
1 mark

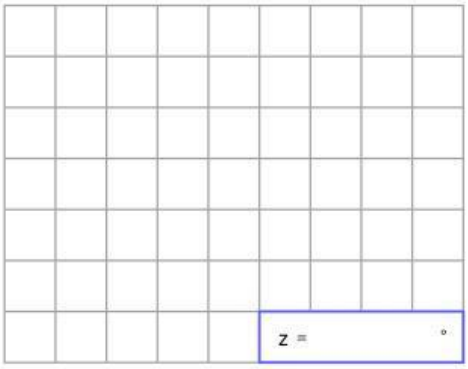
13. Tick the exact number of 2D shapes you would need to construct this 3D shape.



1 mark

14. Calculate the size of angle z. Show your method.





2 marks

Total
24 marks

LIVEWORKSHEETS