


DAY	MENTAL MATHS	MAIN ACIVITY – WEEK 4				
		YEAR 4 BLOCK B UNIT 1 (Autumn 2 of 3 Weeks)				
		OBJECTIVE	TEACHER INTRO	GROUP 1+2	GROUP3+4	KEY QUESTIONS
MONDAY	http://www.amble-sideprimary.com/ambleweb/mental-maths/tabletrees.html	<i>Objective: I know facts about regular shapes.</i> (How many sides and are they equal)	http://www.innovationslearning.co.uk/subjects/maths/information/shape_facts/shape_facts.htm	27)See Attached Sheets Do this sheet again and see if they know anymore facts	27)See Attached Sheets Do this sheet again and see if they know anymore facts	1)How many sides has a a)Pentagon b)Hexagon c)Octagon d)Kite
TUESDAY	http://www.amble-sideprimary.com/ambleweb/mental-maths/tabletrees.html 28)29)See attached Sheet 6 Times Table My Answer, Your Answer	<i>Objective: I know facts about regular shapes.</i> (How many right angles they have)	http://nationalstrategie.sstandards.dcsf.gov.uk/node/88394	Each Child has to draw two 2D Shapes (that have right angles in) and use a protractor to draw the right angles accurately. 30)See Attached Sheets	Each Child has to draw two 2D Shapes (that have right angles in) and use a protractor to draw the right angles accurately. 30)See Attached Sheets	1.How many right angles has a; a)square b)kite c) Equilateral Triangle?
WEDNESDAY	http://www.innovationlearning.co.uk/subjects/maths/activities/year3/symmetry/shape_game.asp	<i>Objective: I can find a line of symmetry.</i>	http://www.crickweb.co.uk/assets/resources/flash.php?&file=Symm	31)See Attached Sheets 1)Draw and write how many lines of symmetry.	31)See Attached Sheets 1)Draw and write how many lines of symmetry. 2)Write in names of the 2D Shapes.	How many lines of symmetry? 2
THURSDAY	 CountDown.exe Click on and have a class countdown challenge on your interactive board	<i>Objective: Reflect the line of symmetry.</i>	Demonstrate to children how to reflect in the line of symmetry both manually and also using tracing paper and mirror. (Look at Sheet 32)	32)See Attached Sheets Q1-4	32)See Attached Sheets Q1-7	Reflect the shape.
FRIDAY	33)See Attached Sheets Forfeits! 6 times table	<i>Objective: I can name 3D Shapes.</i>	http://www.bgfl.org/bgfl/custom/resources_fip/client_fip/ks2/maths/3d/index.htm Show this 1 st http://www.interactivestuff.org/match/maker.phtml?featured=1&id=15 This game 2 nd	34)See Attached Sheets Sections 1 & 2	34)See Attached Sheets Sections 1 & 3	I am thinking of a 3D Shape. It has a square base and the others are triangles. What is its name? Sqaure-based Pyramid

Mental Maths

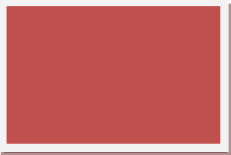
27)HT1 YEAR 4 BLOCK B UNIT 1 (Autumn 2 of 3 Weeks) – Monday (Groups All)

For each shape:

- a) Draw a quick sketch.*
- b) Write down an object which has the same shape.*
- c) Write any details about the shape (properties).*

The first one has been done for you!

SECTION 1

Square	Rectangle
<p>a) </p> <p>b) A Book.</p> <p>c) 4 Sides the same. 4 ninety degree angles.</p>	
Triangle	Circle
Pentagon	Hexagon

For each shape:

- a) Draw a quick sketch.*
- b) Write down an object which has the same shape.*
- c) Write any details about the shape (properties).*

The first one has been done for you!

SECTION 1

Irregular Pentagon	Irregular Hexagon
Octagon	Irregular Octagon
Quadrilateral	Kite

MY ANSWER, YOUR ANSWER

Note

Children who still need to do Times Tables 2, 3, 4 or 5 can do this same activity.

6 Times Tables


- 1) Children sit facing their partner (needs to be of same ability).
- 2) One of the children starts off with 0, then their partner says 6, then they say 12 and so on.....
- 3) Children keep going until they can do it forwards and backwards up to 72.

EXTENSION

- 1) This activity could be also done in groups of 4 or 6.
- 2) You could time how quick they can do it up to 72 and keep a note on your board.
- 3) Which group can do it the quickest?
- 4) Can they beat their own score?

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29)HT1 YEAR 4 BLOCK B UNIT 1 (Autumn 2 of 3 Weeks) – Tuesday (Groups All)

 20

Score

***In your mental math's books, write down the numbers 1 to 20.
I will read the following questions out twice, and you will have 5 seconds to answer them. (For low ability do same question but 2's or one they are up to.)***

All questions are on 6 times table.

- 1) The product of 6 and 4 = 24
- 2) $24 \div 4 = 6$
- 3) $6 \times 4 = 24$
- 4) How many 6's in 66 = 11
- 5) $12 \div 6 = 2$
- 6) The product of 9 and 6 = 54
- 7) $12 \times 6 = 72$
- 8) $6 \times 6 = 36$
- 9) $1 \times 6 = 6$
- 10) $60 \div 6 = 10$
- 11) Times 8 and 6 together = 48
- 12) 18 divided by 6 = 3
- 13) Seven children bought books costing £4 each. How much did they spend altogether? £28
- 14) 24 sweets shared between 4 people. How many do they get each? 6
- 15) What is the product of 6 and 7 = 42
- 16) What is the area of a rectangle of sides 6cm by 11cm ? 66cm
- 17) 2 times 6 = 12
- 18) 3 lots of 6 = 18
- 19) Multiply 12 and 6 = 72
- 20) $? \times 6 = 0$ The answer is 0

30)HT1 YEAR 4 BLOCK B UNIT 1 (Autumn 2 of 3 Weeks) – Tuesday (Groups All)

1. How many 90° degrees is 1 right angle _____

2. How many degrees in 3? _____

3. Name 2 shapes in the classroom that are the shape of a rectangle.

a) _____ b) _____

4. How many sides has a hexagon? _____

5. Name me two shapes with 4 right angles.

a) _____ b) _____

6. Draw me an irregular (sides are not the same length) octagon.

7. A quadrilateral shape has 4 sides. Name me 4 shapes which are quadrilaterals.

a) _____ b) _____

c) _____ d) _____

8. Name me a shape with 0 right angles. _____

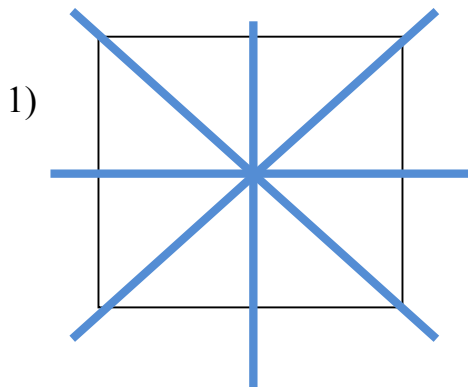
9. How many right angles has a kite? _____

10. What is the name of the shape with 5 sides? _____

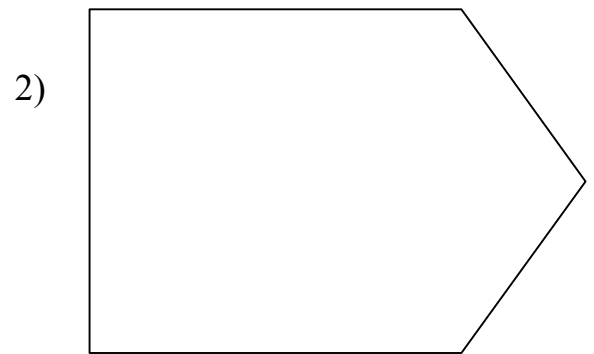
11. Draw an irregular pentagon.

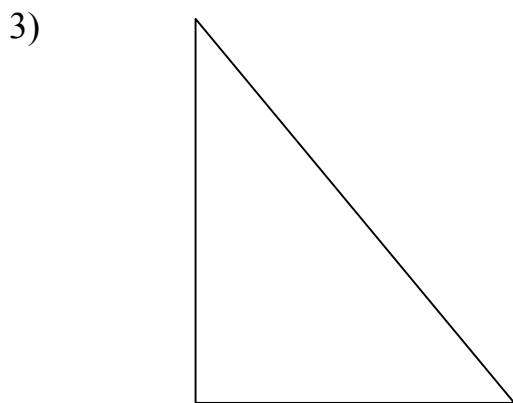
31) HT1 YEAR 4 BLOCK B UNIT 1 (Autumn 2 of 3 Weeks) – Wednesday
(Groups All)

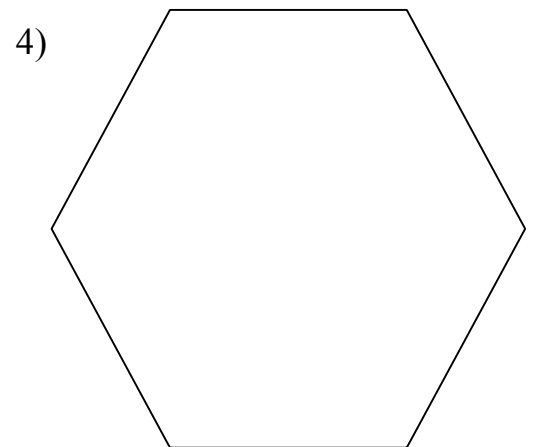
Draw in the lines of symmetry and write down how many you have found. The first one has been done for you.



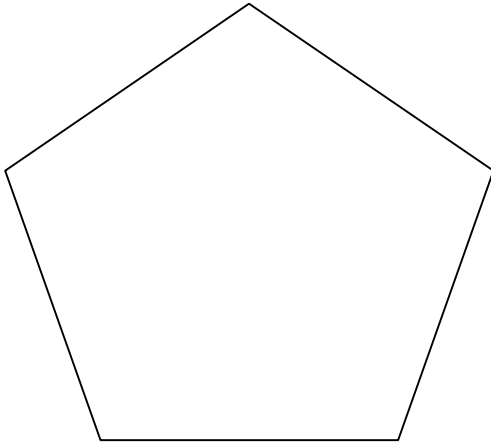
4 Lines of Symmetry



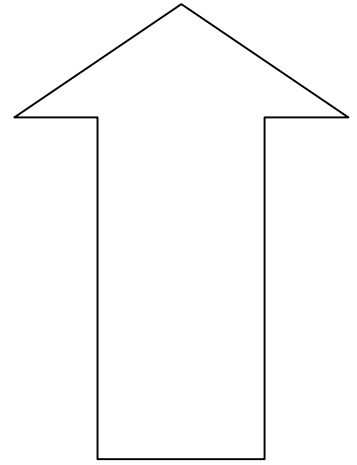




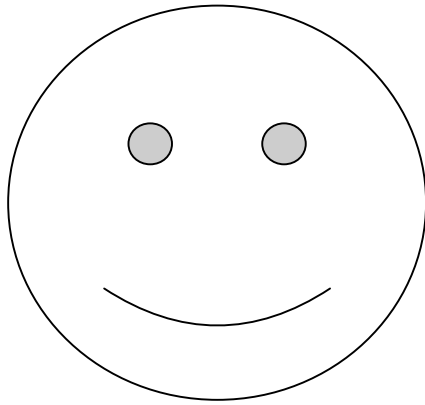
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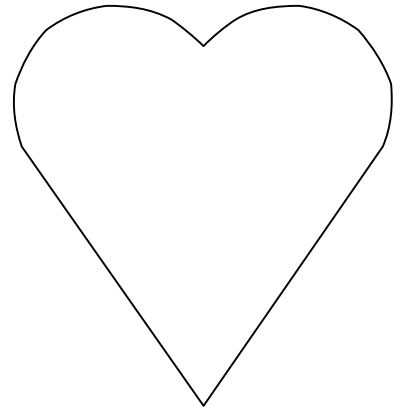
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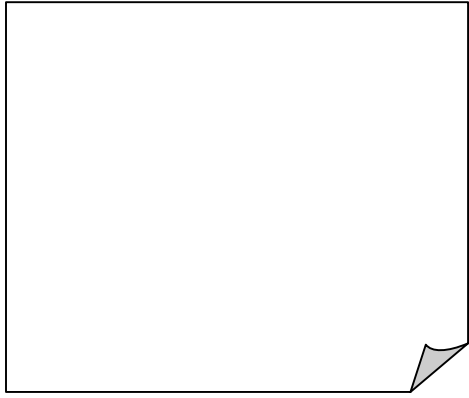
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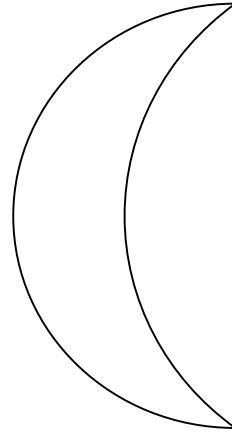
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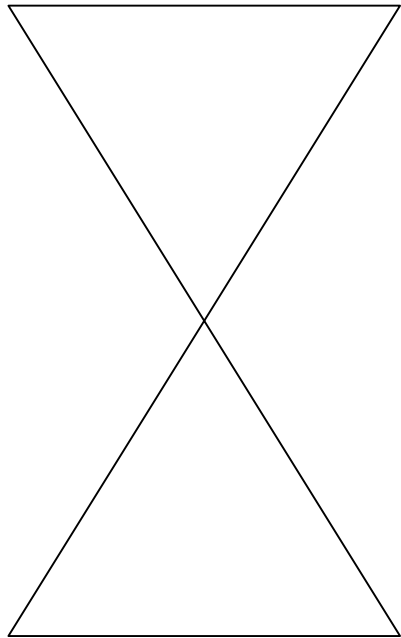
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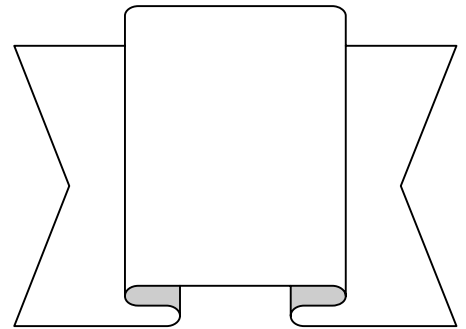
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11)



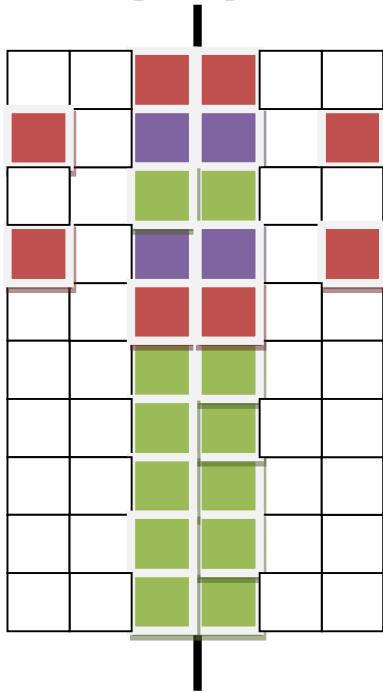
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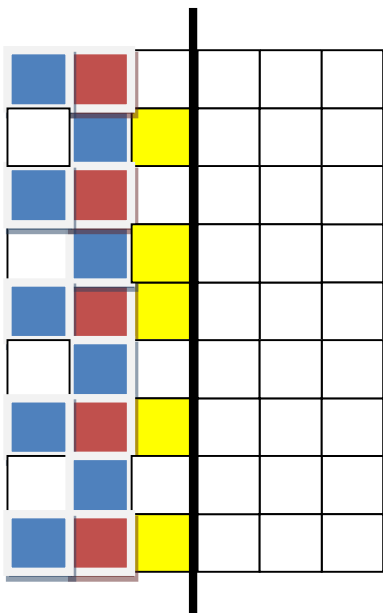
32)HT1 YEAR 4 BLOCK B UNIT 1 (Autumn 2 of 3 Weeks) – Thursday (Groups All)

Reflect the shape or pattern in the y-axis. The first one has been done for you.

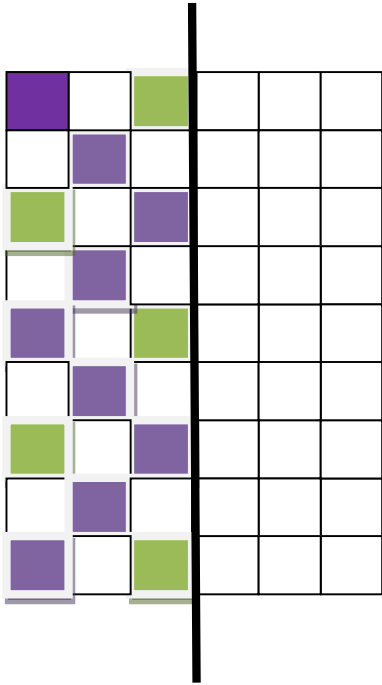
1)



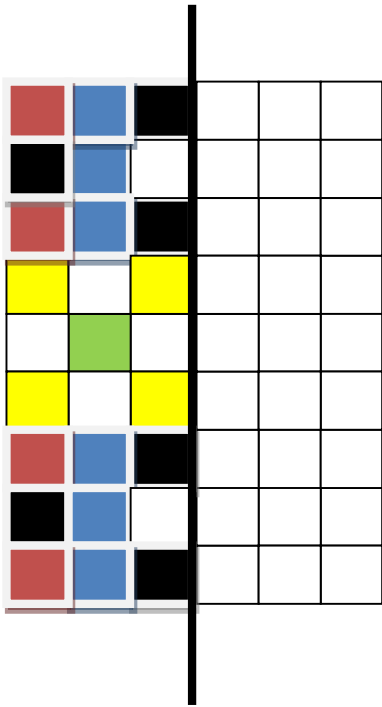
2)



3)



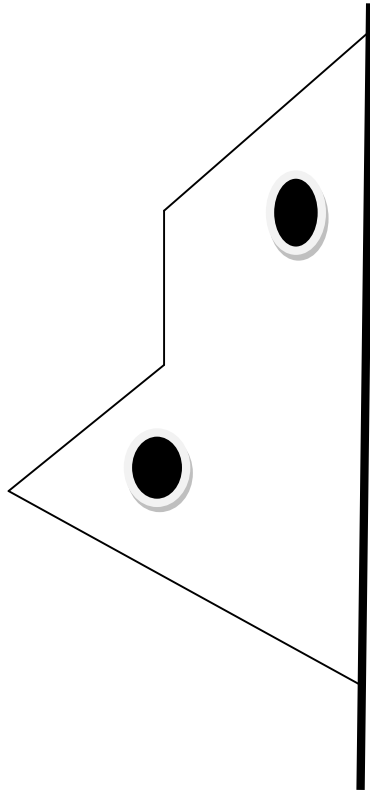
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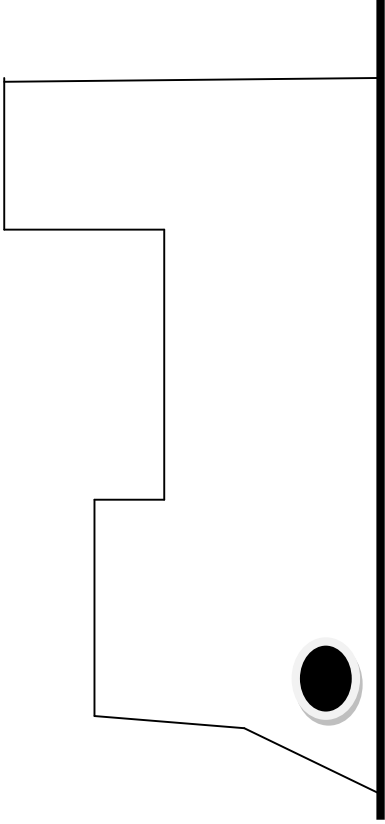
YOU WILL NEED TRACING PAPER AND A MIRROR FOR THE NEXT FEW QUESTIONS!

- 1) Ask your teacher for some tracing paper and a mirror.
- 2) Then place the tracing paper over the shape and trace it (including the line) with your pencil.
- 3) Flip the tracing paper over and line up the line on your tracing paper with the line on your drawing.
- 4) Now trace over it.
- 5) Lift up your tracing paper and your drawing should be there.
- 6) Check it is correct with your mirror!

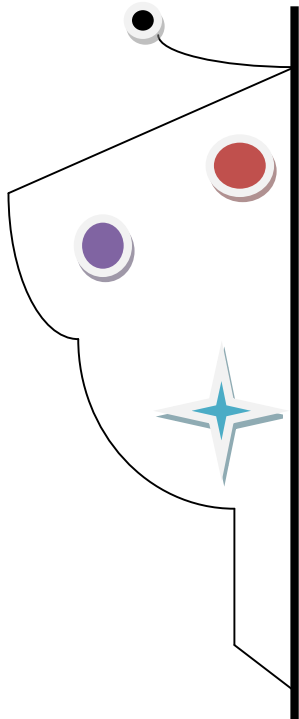
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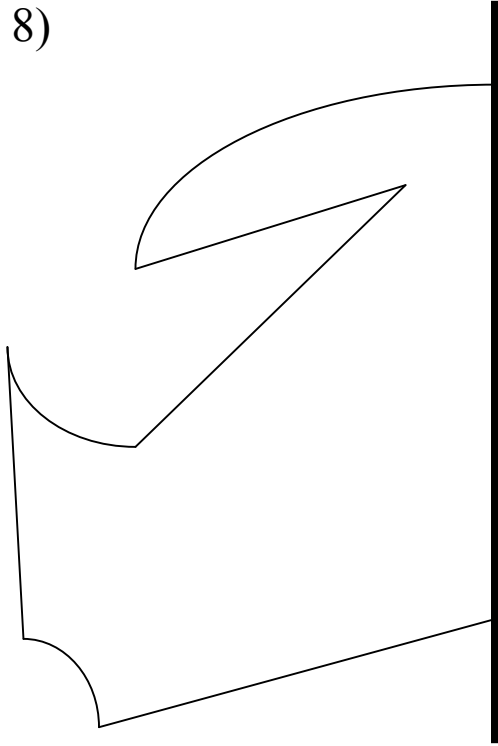
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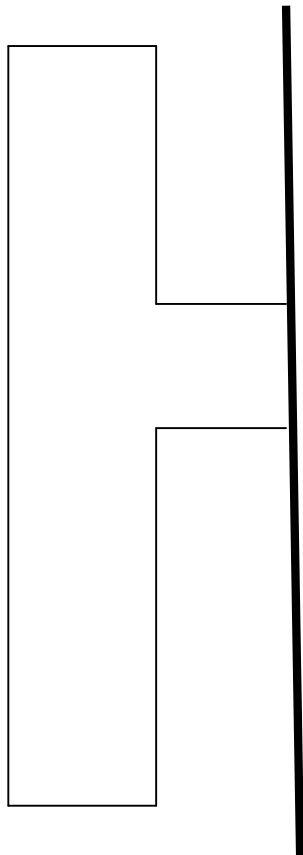
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Mental Maths

33)HT1 YEAR 4 BLOCK B UNIT 1 (Autumn 2 of 3 Weeks) – Friday (Groups All)

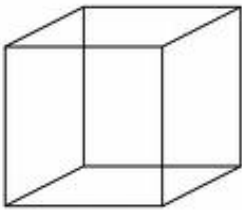
FORFEITS!

- 1) The children stand up in their places.
- 2) Ask the children differentiated multiplication questions.
- 3) If a child answers correctly then they sit down.
- 4) If a child answers incorrectly then they remain standing.
- 5) The last person standing has to do a forfeit which could be a servant for the teacher for the day!

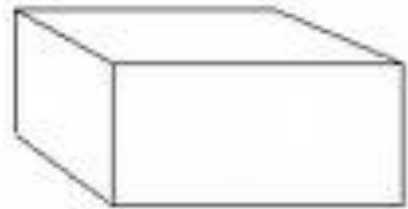
SECTION 2

Cut out the shape, stick in your numeracy book and write the name next to it using the words below:

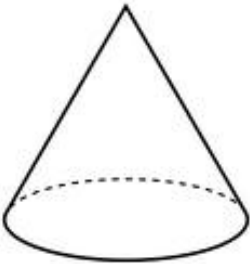
1)



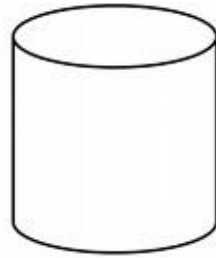
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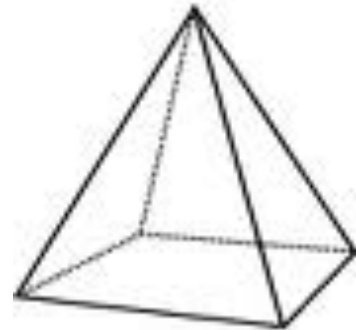
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5)



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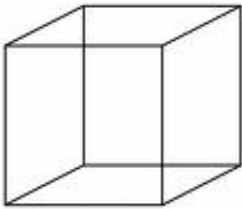


Sphere	Cylinder	Cube
Square-based Pyramid	Cuboid	Cone

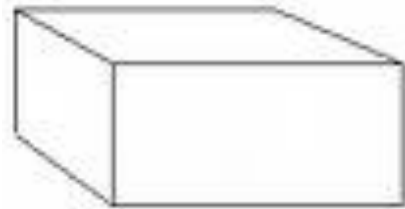
SECTION 3

Cut out the shape, stick it in your numeracy book and write the name next to it.

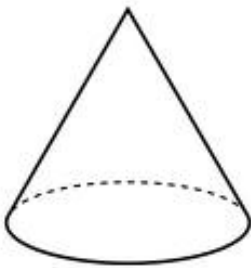
1)



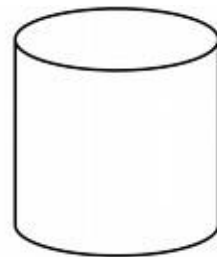
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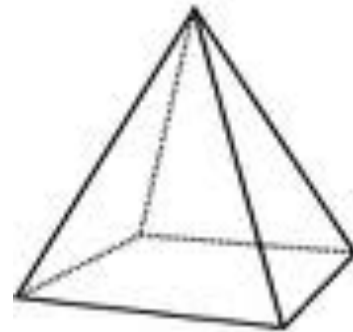
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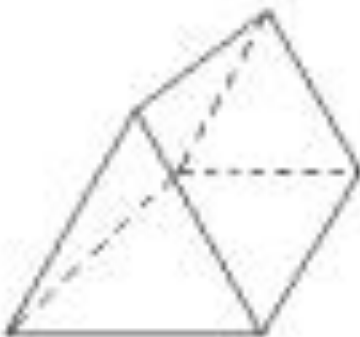
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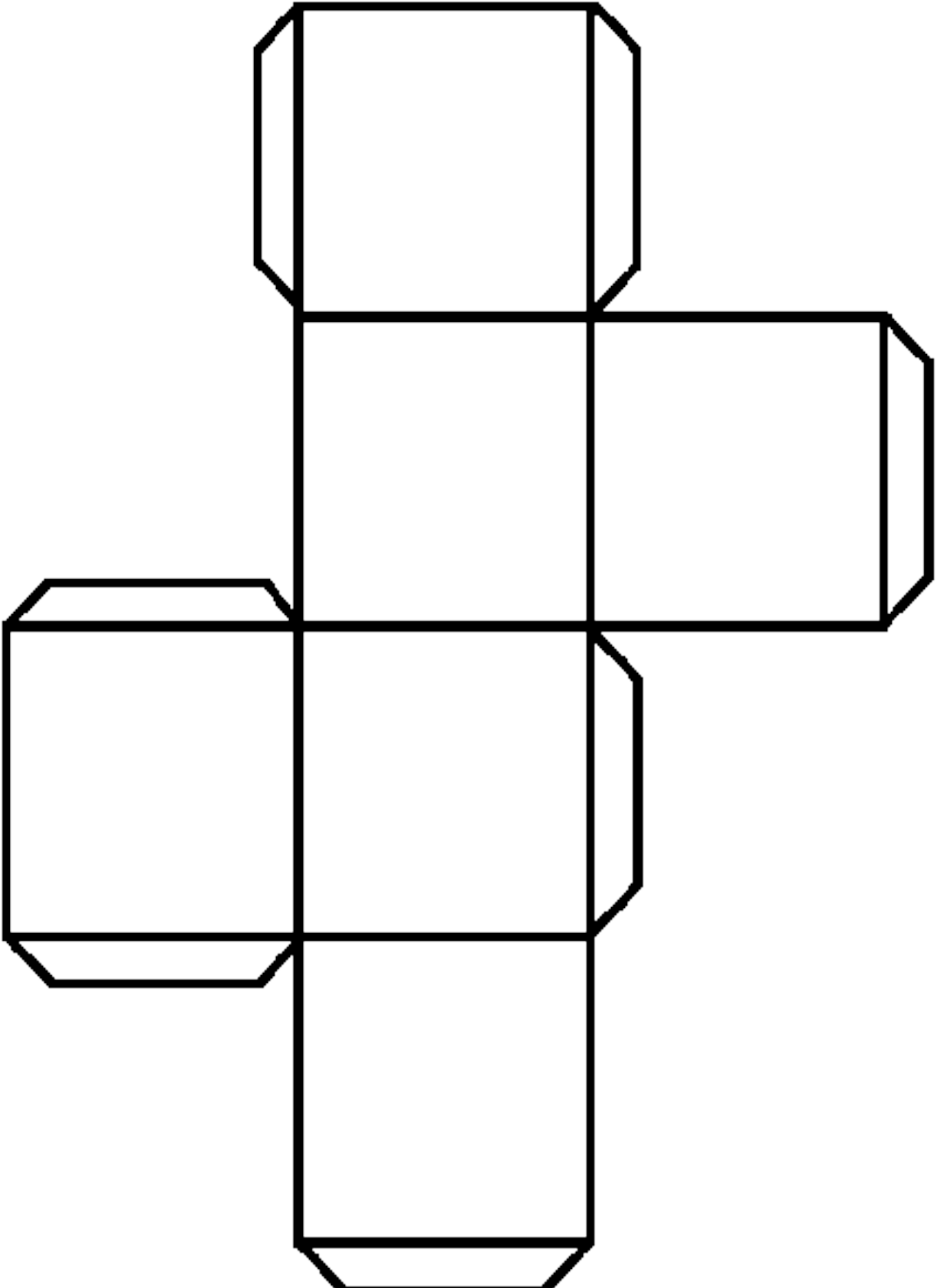
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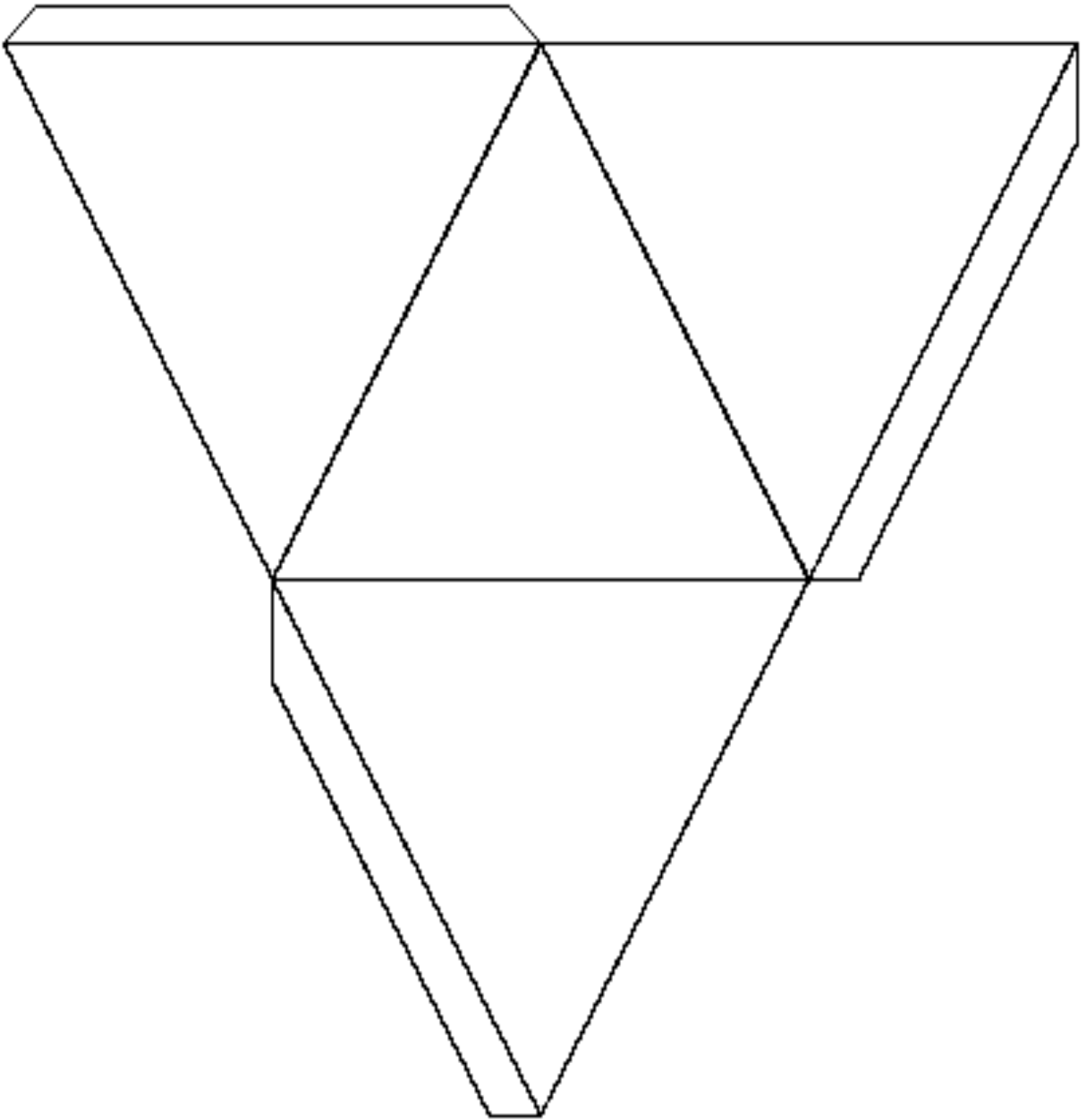


7)



35)HT1 YEAR 4 BLOCK B UNIT 1 (Autumn 3 of 3 Weeks) – Monday (Groups All)





Investigate which nets will make a cube.

a) Put a tick next to the nets that would \checkmark

b) A cross next to the ones that won't. X

