Mentals
5:21

Volume is the amount of space occupied by an object.

1

16 + 6		13 + 8	
15 + 8		19 + 2	
20 – 7		13 – 3	
27 – 9		21 – 6	

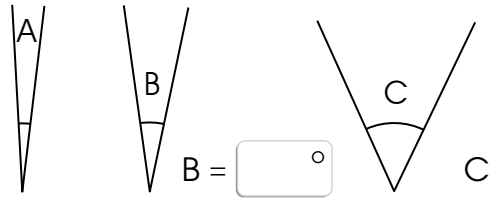
2 Round to the nearest 10000.

5641		68 700	
74 919		14 923	

3 $4 \times 120 = 4 \times 100 + 4 \times 20 =$ ☐

$6 \times 120 =$ ___ × ___ + ___ × ___ = ☐

4 Estimate the size of the angles if A is 10°.



B = ☐ ° C = ☐ °

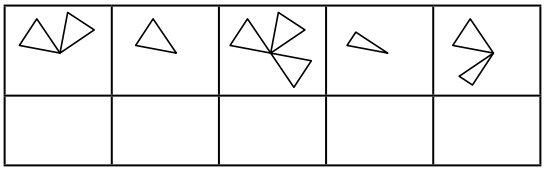
5 Use am or pm to write:

4 o'clock in the afternoon	
2 o'clock in the night	
7 o'clock in the morning	
11 o'clock during the day	

6

10 × 1		5 × 3	
8 × 4		6 × 5	
20 ÷ 10		63 ÷ 9	
36 ÷ 6		40 ÷ 5	

7 stands for 24 windmills. Write the number that each picture stands for.

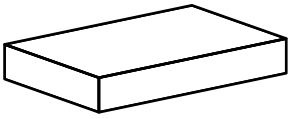


8 Name the shape: ☐ prism.

How many: vertices? ☐

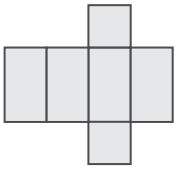
edges? ☐

faces? ☐



9 Circle the objects that have a volume too large to be measured easily in cm^3.

10 This is the net of a



☐

☐ .

Expanding Numbers

Write the numbers for:

70 000 + 4 000 + 300 + 80 + 6 ☐

90 000 + 8 000 + 100 + 30 + 4 ☐

Write in expanded form:

6 174 = ☐

59 328 = ☐

67 409 = ☐

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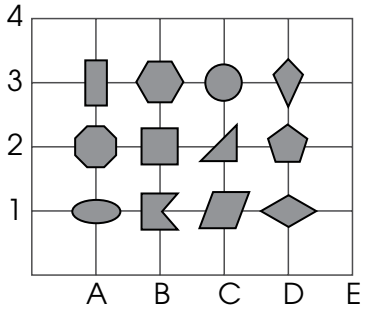
A net is a 2D shape that can be folded to make a 3D solid.

11

2	1	5
×		3

1	4	4
×		6

12



What shape is at:

B2 ____

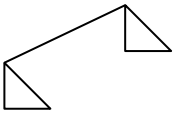
C3 ____

A1 ____

Write the coordinates of the:

irregular pentagon ____ kite ____

13 Complete the drawing of a triangular prism and colour its bases.

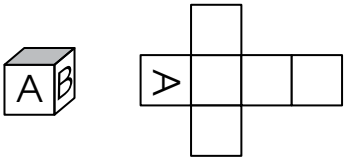


Extension

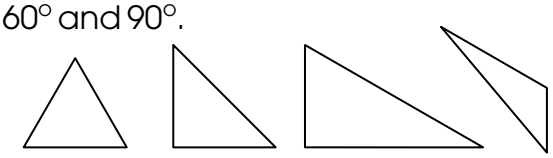
Date: ☐☐ . ☐☐ . ☐☐☐☐

14 Tracy and Andrew hired a tennis court for $1\frac{1}{2}$ hours at night. It cost $24. What was the hourly rate? ____

15 Complete the features on the net of the block with A, B, C and D on the four adjoining faces and colour on the other two faces.



16 Colour the triangle with angles of 30°, 60° and 90°.

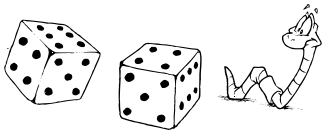


Fun and Games

Product choice

When two dice are rolled and the numbers multiplied, the products in the grid are made.

1	2	3	4	5	6
8	9	10	12	15	16
18	20	24	25	30	36



Need: 2 dice, lead pencil

Directions: Circle the four products you think are most likely to be rolled.
Roll the two dice, find the product and tick that number. Count the number of goes it takes to tick your four choices.
Choose different numbers for the next game.

	Tally	Total
Game 1		
Game 2		
Game 3		

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