

Verbal Reasoning – Letter Connections

Find the pair of letters that completes each sentence in the most sensible way. Use the alphabet to help you.


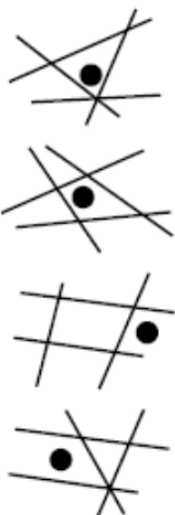




A B C D E F G H I J K L M N O P Q R S T U V W X Y Z










Look at this example:





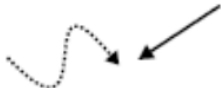

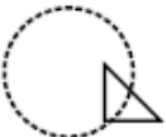

AD is to **BE** as **MP** is to (NQ)

1. **CH** is to **EJ** as **LN** is to (NP)
2. **RU** is to **TW** as **FH** is to (HJ)
3. **GJ** is to **FI** as **OR** is to (NQ)
4. **FR** is to **JV** as **LS** is to (PW)
5. **AZ** is to **CX** as **BY** is to (DW)
6. **CB** is to **HG** as **NM** is to (SR)
7. **AD** is to **ZE** as **PR** is to (QS)
8. **YM** is to **AO** as **LF** is to (NH)
9. **JO** is to **LL** as **QY** is to (SV)
10. **SH** is to **VE** as **WD** is to (ZA)
11. **PS** is to **LR** as **BG** is to (XF)
12. **LO** is to **IR** as **RI** is to (OL)
13. **NU** is to **IP** as **DA** is to (YV)
14. **SL** is to **VI** as **RB** is to (UY)
15. **QJ** is to **MN** as **UF** is to (QJ)












Non-Verbal Reasoning – Vertical and Horizontal Codes


	AP			FL GL GM FM	
	BP				
	AQ	BQ			FM







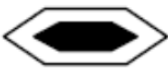



	CT			MV	
	DT			NW	
	CS	DS		NW	
				NV	MV


	SEA			BY	
	SFB			AZ	
	TFA	TEB		BZ	Ay








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	QD				LQ	
	PD				MQ	
	RE				LR	
			MS			

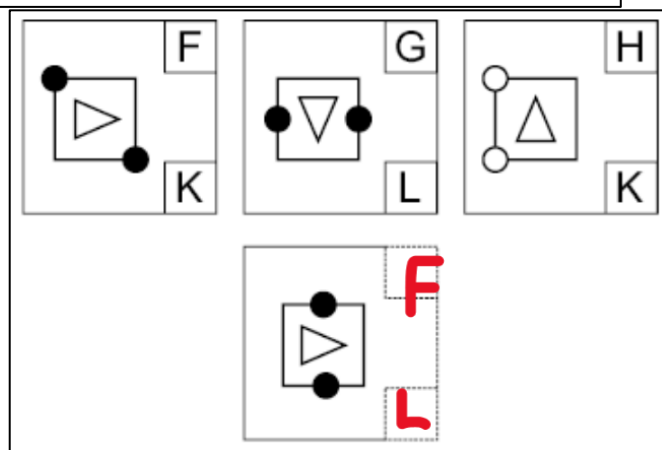
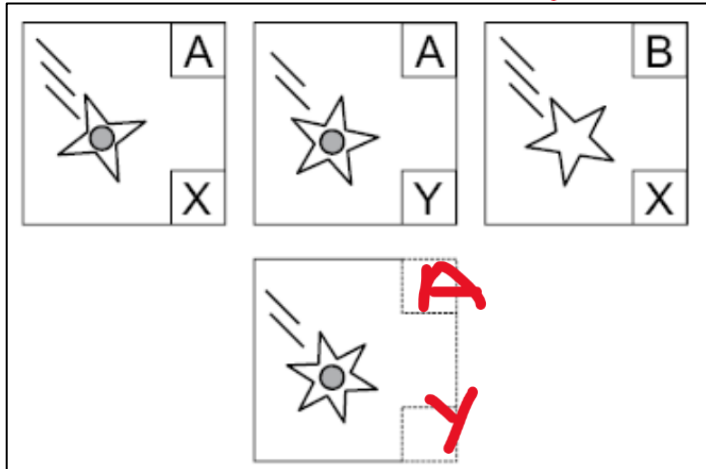
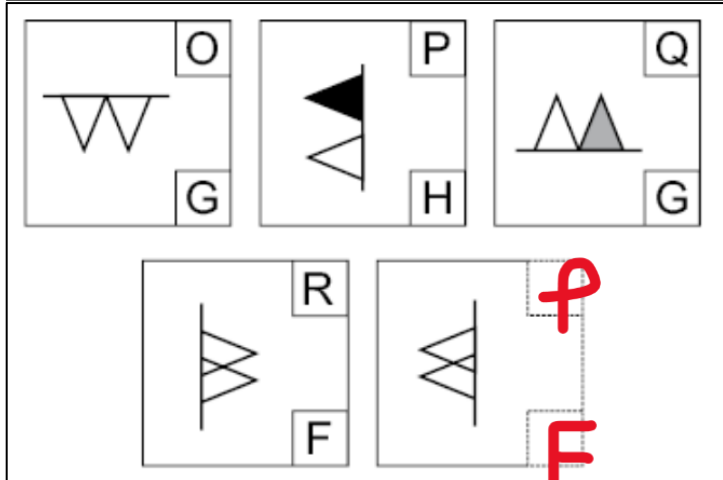
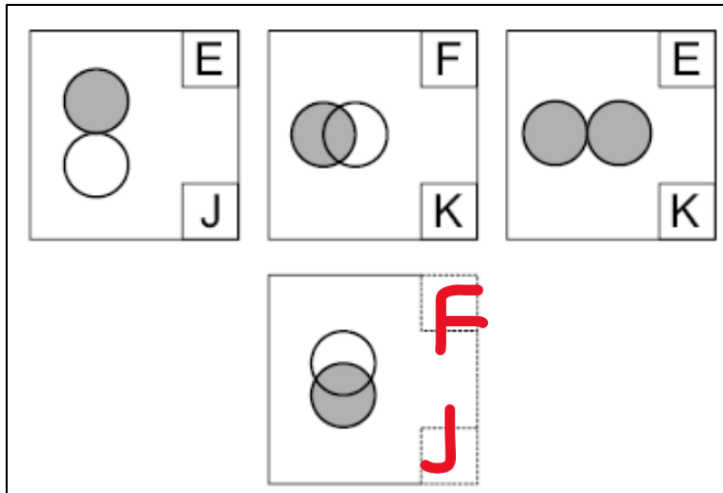


	DJT			EO	
	ELT			FP	
	CJS			EP	
	EKR				

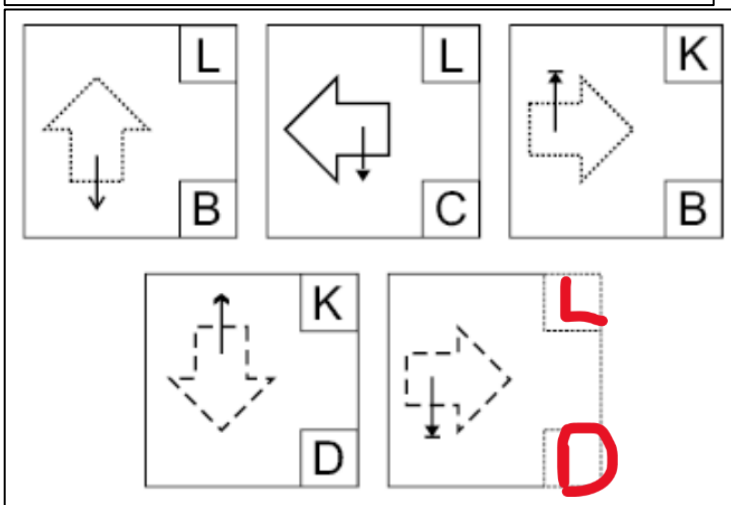
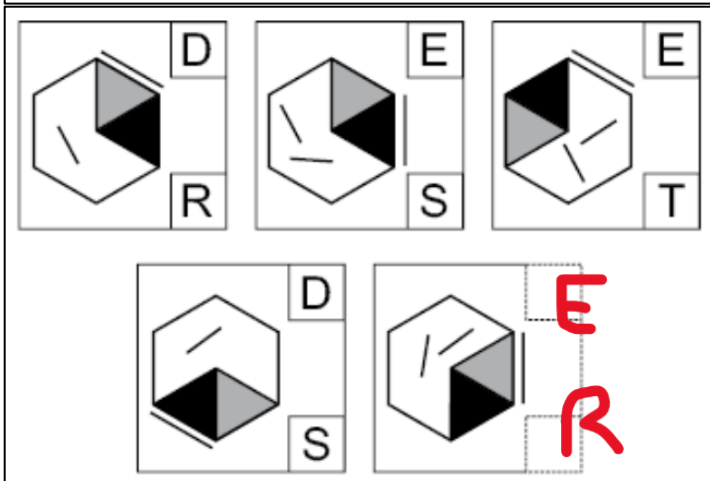
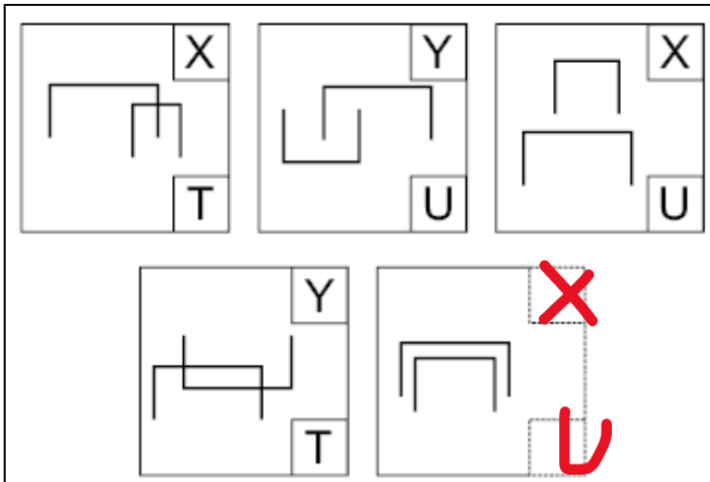


	Y		X		Y
	G		G		F
	X				
	H				

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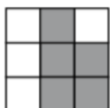


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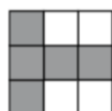
Maths – Area and Perimeter

Look at the shaded area on this grid.

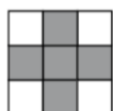


Which of the following shaded areas has the same perimeter as the one above?

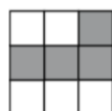
a)



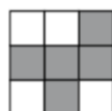
b)



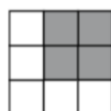
c)



d)

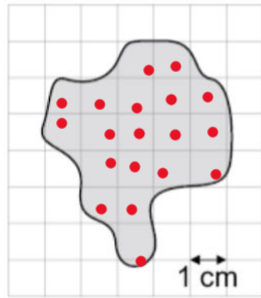


e)



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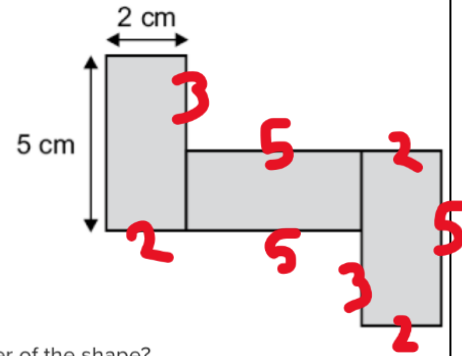
Kishori has spilled a drink on a piece of squared paper.



Which is the best estimate for the area of the spill?

- ☐ a) 22 cm²
- ☒ b) 19 cm²
- ☐ c) 13 cm²
- ☐ d) 15 cm²
- ☐ e) 10 cm²

This shape is made up of three identical rectangles.



What is the perimeter of the shape?

- ☐ a) 38 cm
- ☐ b) 32 cm
- ☐ c) 30 cm
- ☒ d) 34 cm
- ☐ e) 36 cm

Chris uses straight wooden sticks to make a regular polygon with a perimeter of 15 cm. One of its sides is 3 cm long. How many sides does the polygon have?

- ☐ a) 4
- ☐ b) Cannot tell
- ☐ c) 7
- ☐ d) 6
- ☒ e) 5

A regular heptagon has a perimeter of 14 mm. What is the length of each side of the heptagon?

- ☐ a) 4 mm
- ☐ b) 9 mm
- ☐ c) 1 mm
- ☐ d) 7 mm
- ☒ e) 2 mm

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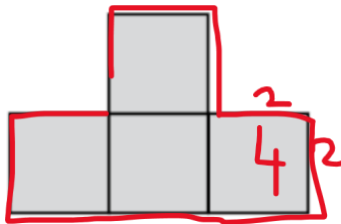
A rectangle has a width of 4.5 m and a perimeter of 22 m.
What is the rectangle's length?

- ☒ a) 6.5 m
☐ b) 13 m
☐ c) 8.75 m
☐ d) 11 m
☐ e) 5.5 m

$$22 - 9 = 13$$

$$4.5 \quad 4.5 \quad h \div 2 = 6.5$$


Amir is tiling his bathroom wall with identical tiles. Each tile is made of 4 identical square sections. One tile is shown.

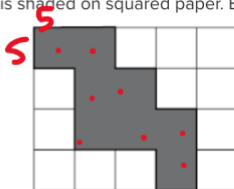


$$20 \div 10 = 2$$

The perimeter of the tile is 20 cm. What is the area of the tile?

- ☒ a) 16 cm²
☐ b) 25 cm²
☐ c) 100 cm²
☐ d) 20 cm²
☐ e) 4 cm²

The shape below is shaded on squared paper. Each square has sides of length 5 mm.



What is the area of the shape?

- ☐ a) 160 mm²
☐ b) 120 mm²
☐ c) 80 mm²
☒ d) 200 mm²
☐ e) 300 mm²

$$5 \times 5 = 25$$

$$25 \times 8$$

One side of a regular hexagon is 4 m long.
What is the perimeter of the hexagon?

- ☐ a) 32 m
☒ b) 24 m
☐ c) 28 m
☐ d) 16 m
☐ e) 20 m

Spatial Reasoning – REVISION

