

Y5 Homework 18

Traffic Problems

1. C
2. A
3. A
4. B
5. B
6. A
7. D

From a distance

8. B
9. A
10. B
11. C
12. D

Calories we need

13. D
14. C
15. B
16. A
17. C
18. C
19. B
20. A

Hyphen & Dashes

21. hang-gliding
22. sister-in-law
23. window-shopping
24. weight-bearing

25. A

26. B

27. B

28. A

29. marvel-lous

30. oppor-tunity

Preposition

31. F

32. G

33. A

34. B

35. H

36. C

37. E

38. D

Ratio Problem Solving

39. B

40. A

41. D

42. B

43. D

44. B

45. A

46. D

47. B

48. A

49. C

50. B

51. D

52. A

53. C

54. C

Shapes

55. A

56. E

57. D

58. C

59. B

60. D

61. C

62. D

63. C

64. H

65. B

66. D

67. B

68. E

69. B

70. D

71. D

72. A

73. C

74. C

75. B

76. C

77. D

Verbal Reasoning

78. D

79. A

80. C

81. A

82. B

83. C

84. B

85. C

86. D

Spatial Reasoning

87. B

88. D

Similarities

89. C

90. C

Analogy

91. D

92. C

Matrices

93. C

94. D

Series

95. C

96. E

97. D

98. D

99. A

100. C

OPTIONAL QUESTIONS

Choose the best word

life kidnapped abolished published sea trade business
because buy officer campaigning across adventure

Olaudah Equiano (c.1745–1797)

Olaudah Equiano is famous for his autobiography, in which he told his remarkable life story, and for the work he undertook campaigning to abolish the slave trade.

Olaudah grew up as the son of a chief in Guinea, but around the age of eleven he and his sister were kidnapped and sold into slavery. A few years later he was bought by Michael Pascal, a British naval officer, who brought him to England, where he learned to read and write.

Although Equiano fought for the British navy for several years, he was cheated of his pay and was sold to another sea captain who took him to the Caribbean and sold him to a merchant called Robert King.



Robert King treated his slaves extremely badly. Equiano, however, was luckier than most of the slaves on King's plantation. because he could read and write, he was given a responsible job and after three years he had saved enough money to buy his freedom.

After becoming a free man, he returned to England and set up in business as a hairdresser, but he loved adventure and soon returned to sea.

In 1773, he joined a voyage of exploration to find a northwest passage to India across the North Pole and in 1775 he became involved in a project to set up a new plantation in Central America.

Equiano published his autobiography in the spring of 1789. He sold the book throughout Britain, undertaking lecture tours and actively campaigning to abolish the slave trade.

The efforts of Equiano and the abolitionist movement were successful in the end, but it took nearly forty-five years before slavery was abolished in Britain.

Use dashes to emphasise a point being made in each of these sentences.

- a He had originally thought there was no point in running but he changed his mind!
He has originally thought there was no point in running - but he changed his mind
- b I'll say it again I don't think you're listening.
I'll say it again - I don't think you're listening

12

Proofreading Exercise

Find and circle the errors

Be the editor: there are 23 errors to be corrected in the fictional extract below.

Errors are of all varieties: spelling, punctuation and grammar, including position of apostrophes, capital letters and consistency of tense.

Down the rabbit Hole

The assistant head sashayed into the staff room magically transfigured into the Wicked Witch of the West. She was closely followed by the deputy head as a bumbling Wizard of Oz. Staff fancy dress was one of the most eagerly anticipated days on the school calendar and the hole room waited with bated breath for the head teacher's entry. She traipsed in last, and very much least... her usual dowdy, uninspiring self. Mrs Marsh said her peice equally as inspiring as her non-costume, then the first warning bell rang for the start of the school day and Miss Mulholland headed down the rabbit hole.

"Oi, Miss, what ave you come as"

Running the tight corridor gauntlet between the relative sanctuary of the staff room and her own classroom could be trying at the best of times, but staff fancy dress day (as entertaining as it was thought extra challenges. Power suit replaced by pinafore dress, Rebecca Mulholland suddenly felt decidedly vulnerable; the knee-high socks definatly felt like a mistake as teenage eyes were trained upon her. The sight of Captain Hook heading in the opposite direction at least draw some attention away from her and raised a smile on Rebeccas lips.

"Quick march Miss, your late, you're late, for a very important date."

I wouldn't mind dating..."

The final part of the smarmy sixth former's comment - part mumbled - thankfully evaded her hearing, but his friend's recognition of Lewis Carroll's ingénue at least kept her spirits up as she zone in on her classroom.

"Wow, love the costume Miss!"

Thank heavens for her cherubic Year 7's, who could always be relied upon for a shot of positivity.

"Your classroom is like wonderland Miss."

Even she knew that sickophantic remark was stretching things a little to far, but she couldn't deny that she appreciated the support.

"Snow white, right?"

She hoped this was sarcasm, but severely doubted the speaker had master that particular skill of communication.

"Good morning children and welcome to wonderland. I am Alice and I will be your guide for the next our. With that, she ushered her infantile pupils through the door and away from the prowling wolves.

Divide the following numbers in the given ratios.

500 in the ratio 3:2

300 : 200

420 in the ratio 4:3

240 : 180

640 in the ratio 5:3

400 : 240

Nathan shares out 12 sweets. He gives Jasmin 1 sweet for every 3 sweets he takes.
How many sweets does Nathan get? 9



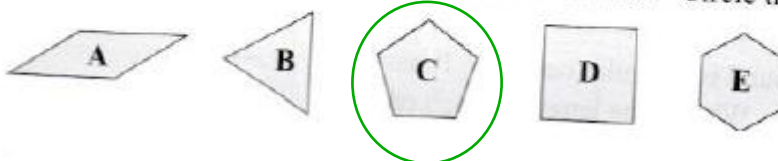
A 20p coin is based on which polygon? heptagone

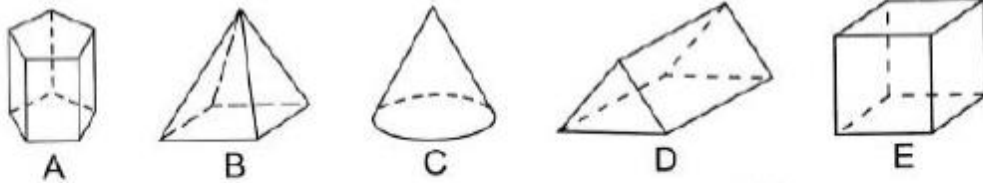
This traffic sign has a diameter of 900 mm.
What is the radius of the sign?

450 mm



Mr Johnson wants to buy tiles that fit together with other identical tiles without leaving gaps between them. Which of these tiles should he not choose? Circle the correct answer.





How many rectangular faces does shape A have? 5

Which shape has six identical faces? E

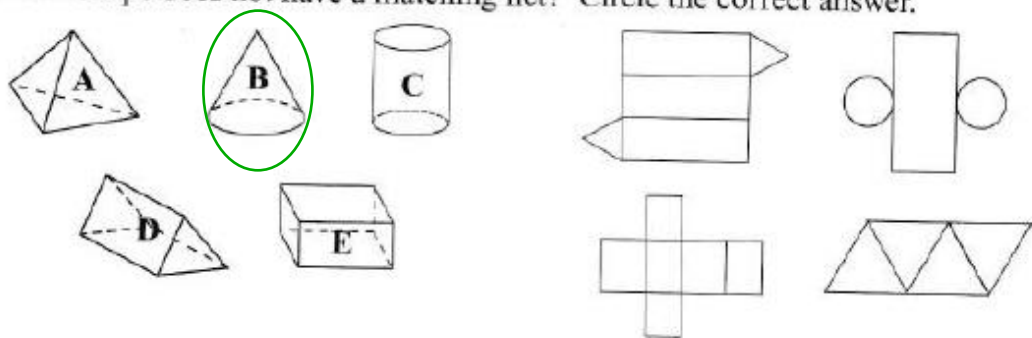
Which shape has five faces and nine edges? D

Which shape has fewer edges than faces? C

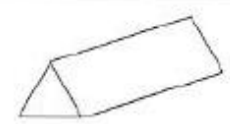
Which shape has five faces, eight edges and five vertices? B

Each of these nets can make one of the 3D shapes A-E.

Which 3D shape does not have a matching net? Circle the correct answer.

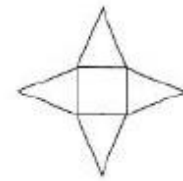


What is the name of this solid shape? Triangle prism



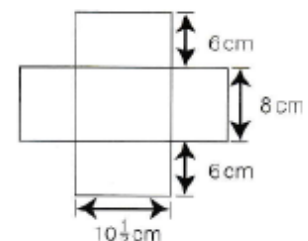
What solid shape could be made from this net?

square based pyramid



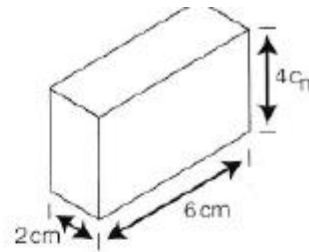
Here is the net of an open box. How high is the box?

6 cm



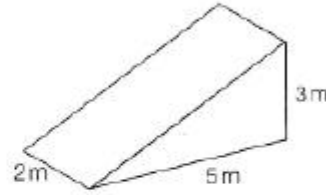
What is the volume of this shape? Give the unit of measurement.

48 cm³



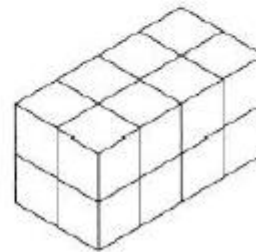
Find the volume of this shape. Give the unit of measurement.

15 m³



What is the volume of this shape if one of the cuboids that makes it up has a volume of 9 cubic centimetres?

144

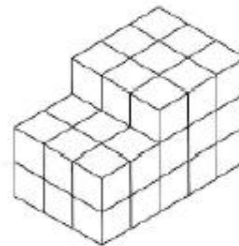


The volume of a box is 3600 cm³. If its length is 30 cm and it is 12 cm wide, what is its height?

10 cm

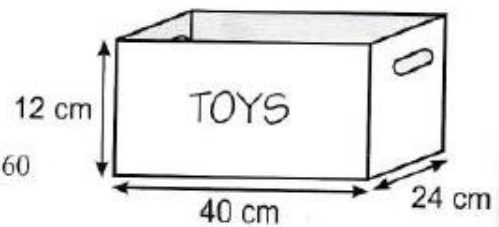
How many cubes make up this solid shape?

39



Ravi is tidying his bedroom. How many cubes with edges of length 4 cm can he fit into his toy box? Circle the correct answer.

- A 90 **B 180** C 406 D 30 E 360



Verbal Reasoning: Letter Partners/Mirror Technique

Every Letter in the first half of the alphabet has a partner in the second half. You draw a line down the centre of alphabet given, between M and N. Then you number as shown below:

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
1	2	3	4	5	6	7	8	9	10	11	12	13	13	12	11	10	9	8	7	6	5	4	3	2	1

Any two letters with the same number under them are partners. For example G and T are both numbered 7 and are partners.

Find the letter partner of each of the following.

1. B Y 3. G T 5. O L 7. I R 9. E V 11. N M

Find the letters that complete the sentence in the best way.
(Hint Use Letter Partners)

LF is to OU as RS is to IH

PR is to KI as VX is to EC

CB is to YX as LP is to KO

Use Letters Partners for coding words:

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
1	2	3	4	5	6	7	8	9	10	11	12	13	13	12	11	10	9	8	7	6	5	4	3	2	1

If the code for SHEEP is HSWVK, what is the code for COWS? XLDH

If the code for DANCE is WZMXV, what is the code for SING? HRMT

If TRAIN is written in code as GIZRM,

what is the code for COACH? XLZXS

Use Letters Partners for decoding words:

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
1	2	3	4	5	6	7	8	9	10	11	12	13	13	12	11	10	9	8	7	6	5	4	3	2	1

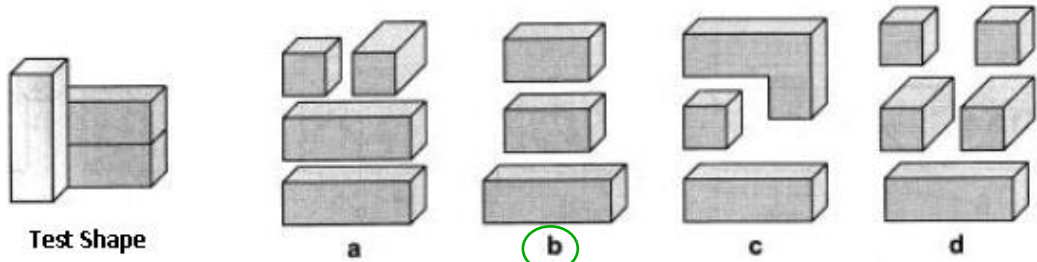
If the code for FARM is UZIN, what does BZIW mean? YARD

If NIGHT is written in code as MRTSG, what does WZIP mean? DARK

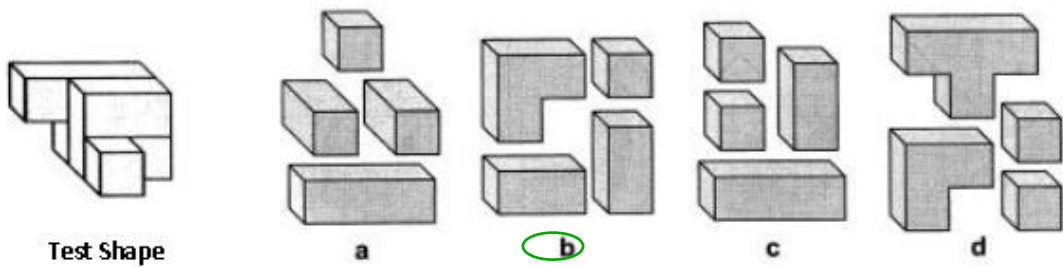
If HOWK is the code for SLEEP, what does WIVZN mean? DREAM

Spatial Reasoning :Building Blocks

Which building blocks on the right can make up the test shape



Hint: You need 1 long brick for the front, while behind you can use more than 2 bricks to make u length

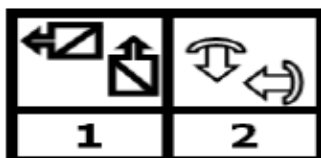
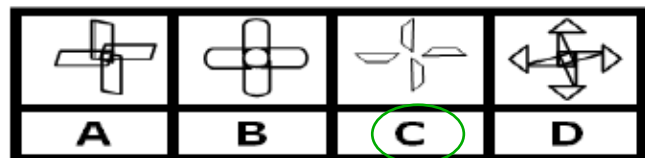
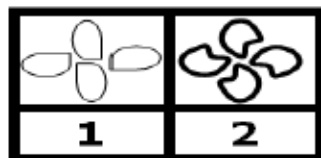


Hint: You need at least 1 cube and L shape for the front and middle

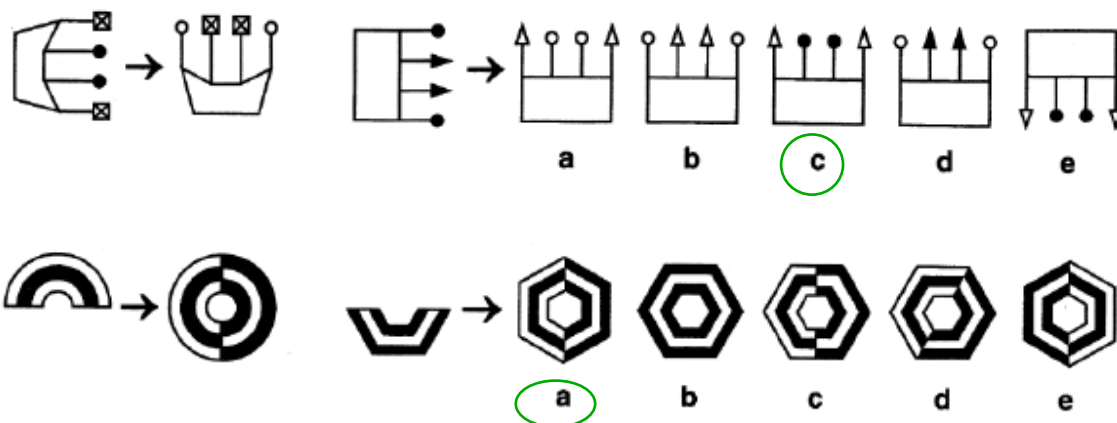
Non Verbal Reasoning Revision Questions

NVR Similar Shapes

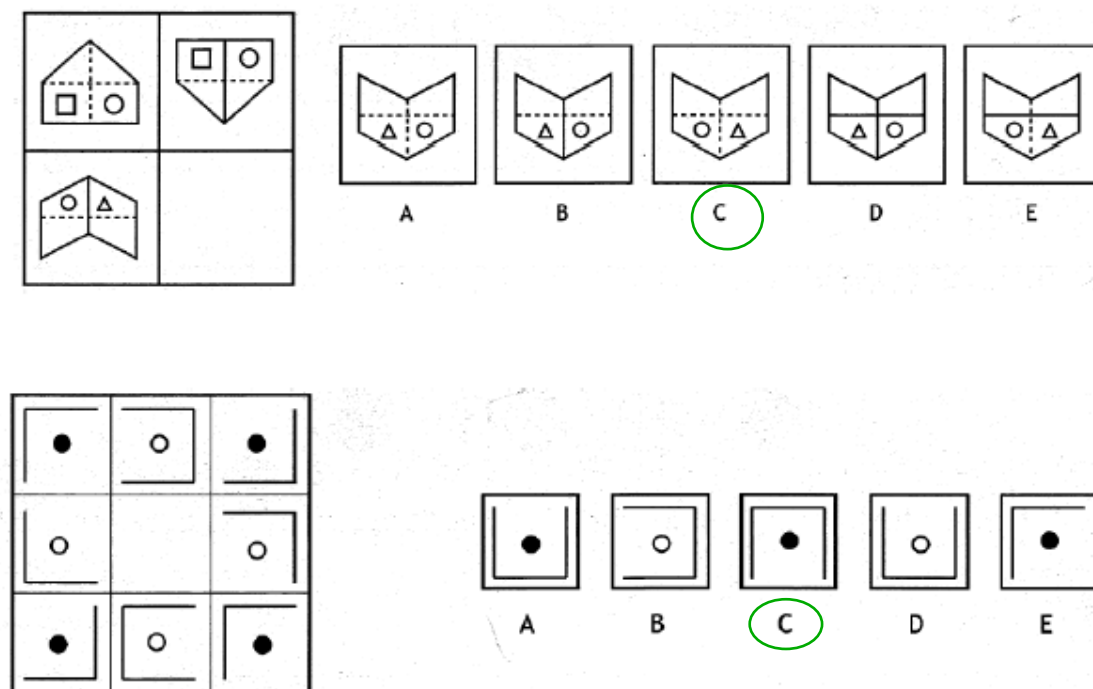
Which one of the figures in the boxes on the right is most similar to the ones on the left?



NVR Analogy



NVR Matrices



NVR : SERIES

