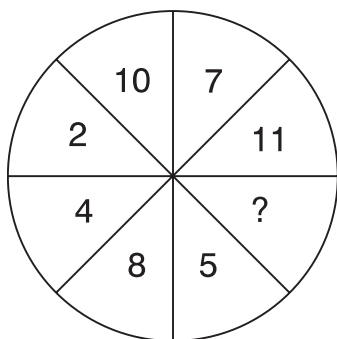


25. Using all of the letters in the phrase TOUCH VOLCANO PIECE once each only spell out the names of three types of fruit.

26.



What number should replace the question mark?

27.



Draw the missing figure in the above sequence.

28. ASH FUEL FARM is an anagram of which two words that are opposite in meaning?

29.

| | | |
|-----|----|----|
| 171 | 23 | 18 |
| 17 | 19 | 29 |
| 78 | 56 | 27 |
| 28 | 71 | 82 |

Multiply the highest even number in the grid by the lowest odd number.

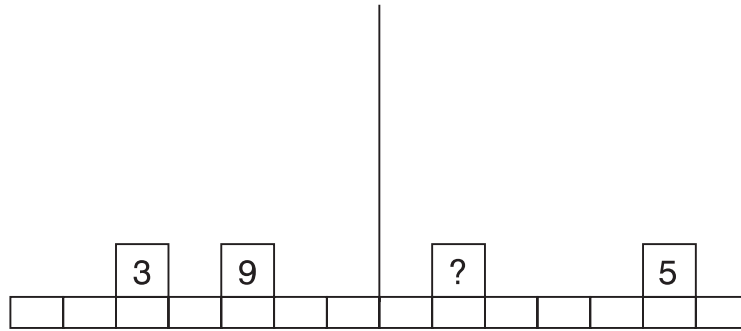
The Times Book of IQ Tests

30. action, effort, worth, ?, ourself

Which of the words below is missing?

cheer, reef, cage, rampart, idea

31.



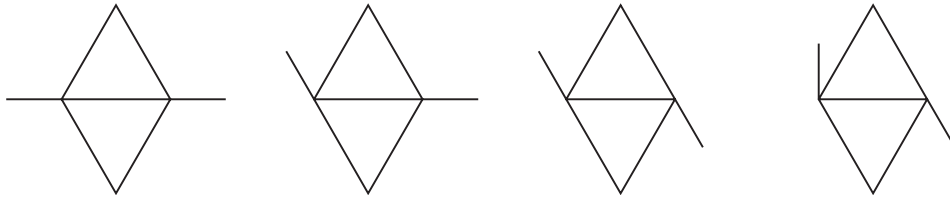
What weight should replace the question mark in order for the scales to balance?

32.

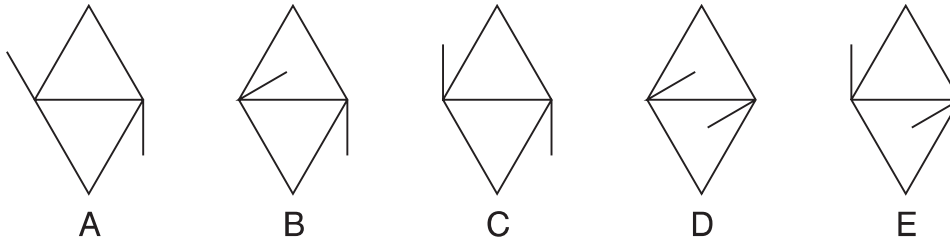
| | | | | | | |
|----|---|----|---|----|---|----|
| 4 | 9 | 13 | 5 | 86 | 2 | 7 |
| 82 | | | | | | 9 |
| 79 | | | | | | 24 |
| 6 | | | | | | 63 |
| 35 | | | | | | 18 |
| 1 | 6 | 37 | 8 | 49 | 2 | ? |

What number should replace the question mark?

33.



What comes next?



34. Place a word in the bracket that forms a new word or phrase when tacked onto the word on the left, and another word or phrase when placed in front of the word on the right.

salt () fall

35. Which is the odd word out?

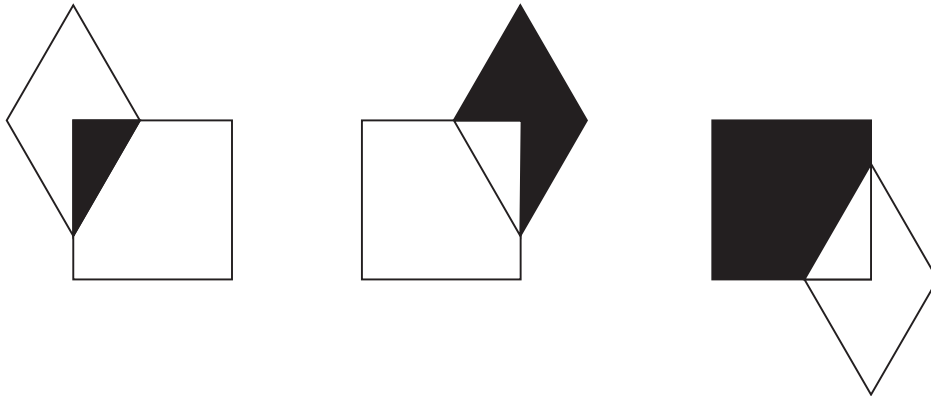
orders, murder, derelict, underworld, detonator

36. Stuart and Christine share out a certain sum of money in the ratio 4:5 and Christine ends up with £24.00. How much money was shared in the first place?

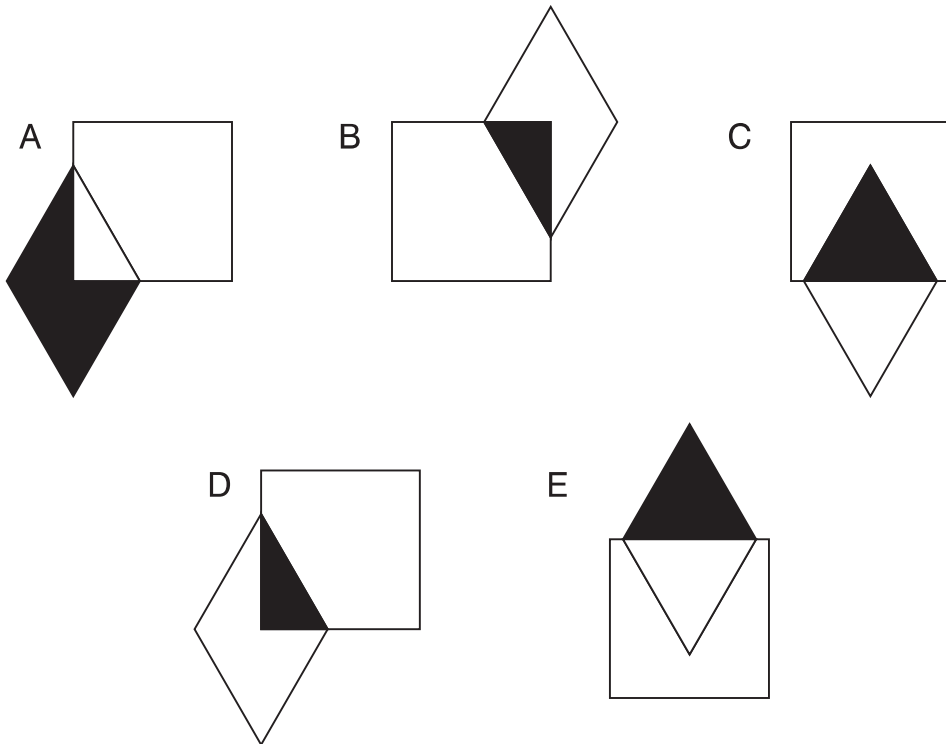
37. Referring again to question 36, how much money would have been shared out if the ratio had been 5:4 instead of 4:5?

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38.



What comes next?



39.

| | | | |
|---|---|---|---|
| S | I | P | Y |
| E | A | R | |
| | O | R | T |

Find the starting point and work from letter to adjoining letter horizontally and vertically, but not diagonally, to spell out a 12-letter word. You have to provide the missing letters.

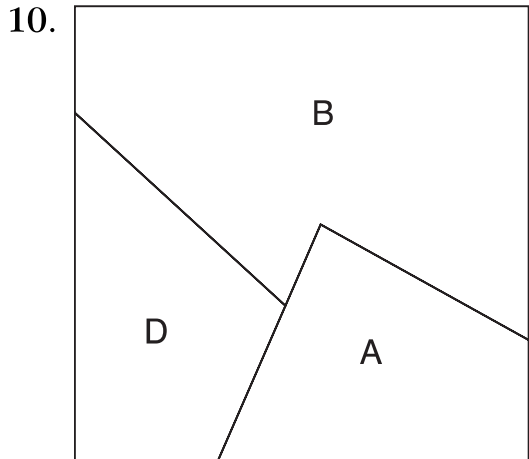
40.

| | | | |
|----|----|----|----|
| 7 | 9 | 4 | 5 |
| 13 | 11 | 14 | 9 |
| 25 | 27 | 20 | 23 |
| 47 | 45 | 50 | 43 |
| ? | ? | ? | ? |

What numbers should replace the question marks on the bottom row?

Test Nine: Answers

1. A: square 1 moves to bottom right, square 2 moves to top left, square 3 moves to top right and square 4 moves to bottom left
2. HIDE, REVEAL
3. black, olive, fawn, cyan, pink
4. A: lines across progress +2, +4, +6, + 8 in turn. Columns down progress +3, +5, +7, +9 in turn.
5. D
6. H: in all the others the outer figure is repeated in the middle
7. TENDER LOVING CARE
8. 2: the total of the numbers in the shaded section in each hexagon is half the total of the remaining numbers
9. include: each word begins with the sixth and fifth letters of the preceding word

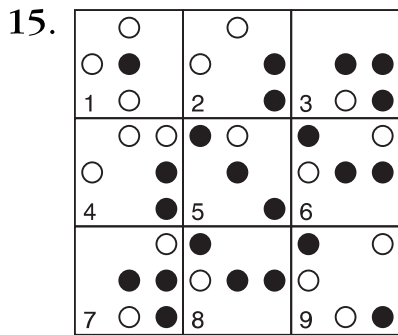


11. SCARE, ALARM

12. pit

13. 85647: reverse the first number and discard the highest and lowest digits

14. U: AbCdeFghiJklmnOpqrstU



Tile 8 is incorrect and should be replaced by tile B.

16. 81: add 27 each time

17. calypso: it is a song, the rest are dances

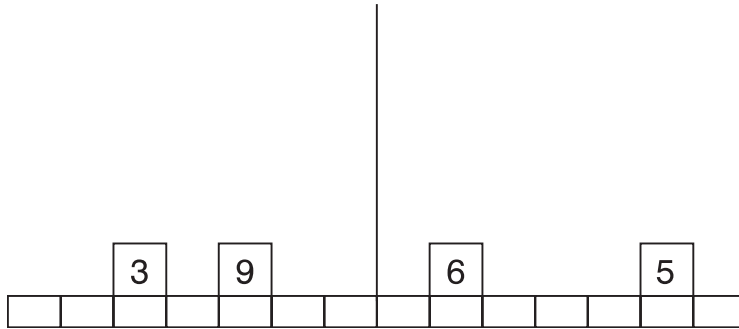
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18. B: looking across, lines progress +4, looking down, columns progress +3
19. Stella: each name begins with the middle two letters of the previous name
20. C
21. E: it contains exactly the same symbols as the original
22. 4: all lines and columns total 18
23. GERANIUM, DAFFODIL
24. C: the contents of each pentagon are determined by the contents of the two pentagons immediately below it. Lines and dots are carried forward from these two pentagons, except when a line or dot appears in the same position, in which case they are cancelled out.
25. PEACH, OLIVE, COCONUT
26. 13: opposite numbers total 15
27.

| | |
|--|--|
| | |
| | |
| | |
- Lines are added vertically then horizontally alternately.
28. HARMFUL, SAFE
29. 1394: (82×17)

30. reef: acti(**on e**)ffor(**t wo**)r(**th ree**)(**f our**)self

31.



$$\begin{aligned}
 5 \times 3 &= 15 & 6 \times 5 &= 30 \\
 3 \times 9 &= 27 & 2 \times 6 &= 12 \\
 15 + 27 &= 42 \\
 30 + 12 &= 42
 \end{aligned}$$

32. 5: each row of numbers contains the digits 1–9

33. C: the arms move clockwise in turn 45°

34. water: to give salt water, waterfall

35. detonator: the rest contain the letters ‘der’ adjacently

36. £43.20: Christine = £24 or five parts, therefore, each part = £4.80. Total of nine parts shared = $\text{£}4.80 \times 9 = \text{£}43.20$.

37. £54.00: Christine’s share = £24.00 or four parts, therefore, each part = £6.00. Total of nine parts shared = £54.00.

38. D: the diamond is moving round each corner clockwise. The black portion alternates overlapping section/diamond/square.

39. PRAISEWORTHY

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40. A B C D

| | | | |
|----|----|----|----|
| 7 | 9 | 4 | 5 |
| 13 | 11 | 14 | 9 |
| 25 | 27 | 20 | 23 |
| 47 | 45 | 50 | 43 |
| 95 | 97 | 88 | 93 |

The numbers in each row are determined, as follows, by the numbers in the row above: $A + C = B$; $B + D = C$; $B + C = A$; $C + D = D$.

Test Ten: Questions

1.

| | | |
|---|--|----|
| 5 | | 3 |
| 8 | | 12 |
| 7 | | 5 |

| | | |
|----|--|---|
| 4 | | 5 |
| 14 | | 6 |
| 2 | | 9 |

| | | |
|---|--|----|
| 7 | | 8 |
| ? | | 13 |
| 6 | | 9 |

What number should replace the question mark?

2. Which word in brackets is most opposite in meaning to the word in capitals?

PALATABLE (sparse, agonising, bland, raw, inferior)

3. 100, 99.5, 98.5, 97, 95, 92.5, 89.5, ?

What number should replace the question mark?

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4. Switch A turns lights 1 and 2 on/off or off/on
Switch B turns lights 2 and 4 on/off or off/on
Switch C turns lights 1 and 3 on/off or off/on

○ = ON

● = OFF

Switches B, A and C are thrown in turn with the result that Figure 1 turns into Figure 2. Which switch does not work at all?

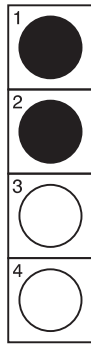


Figure 1

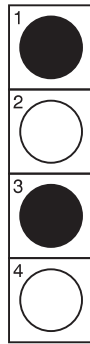
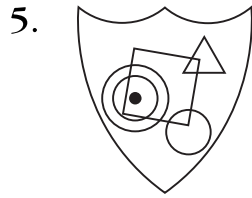
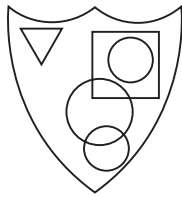


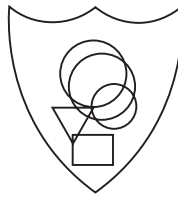
Figure 2



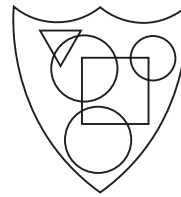
To which shield below can a dot be added so that it meets the same conditions as in the shield above?



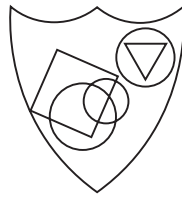
A



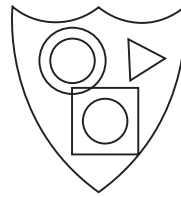
B



C



D



E

6. Which is the odd one out?

diploid, deltoid, dual, binary, twofold

7.

| | | | |
|---|----|---|---|
| 5 | 10 | 9 | 4 |
| 7 | 4 | 5 | 8 |
| 3 | 2 | 5 | 6 |
| 1 | 8 | 9 | ? |

What number should replace the question mark?

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8. Insert a pair of letters into each bracket so that they finish the word on the left and start the word on the right. The correct letters read downwards in pairs must spell out an eight-letter word.

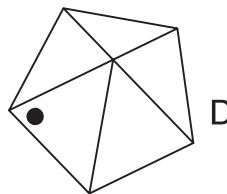
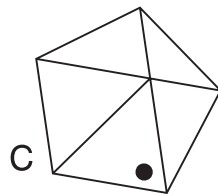
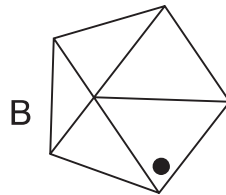
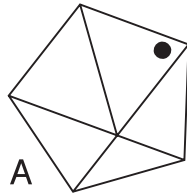
SO (**) LT

LA (**) ST

DO (**) AL

EP (**) ON

9. Which is the odd one out?



10. Which one of the following is grammatically correct?

The father's rights activist's dog buried its bone in the garden.

The fathers' rights activist's dog buried it's bone in the garden.

The father's rights activist's dog buried it's bone in the garden.

The fathers' rights' activist's dog buried its bone in the garden.

The fathers' rights activists' dog buried it's bone in the garden.

The fathers' rights activist's dog buried its bone in the garden.

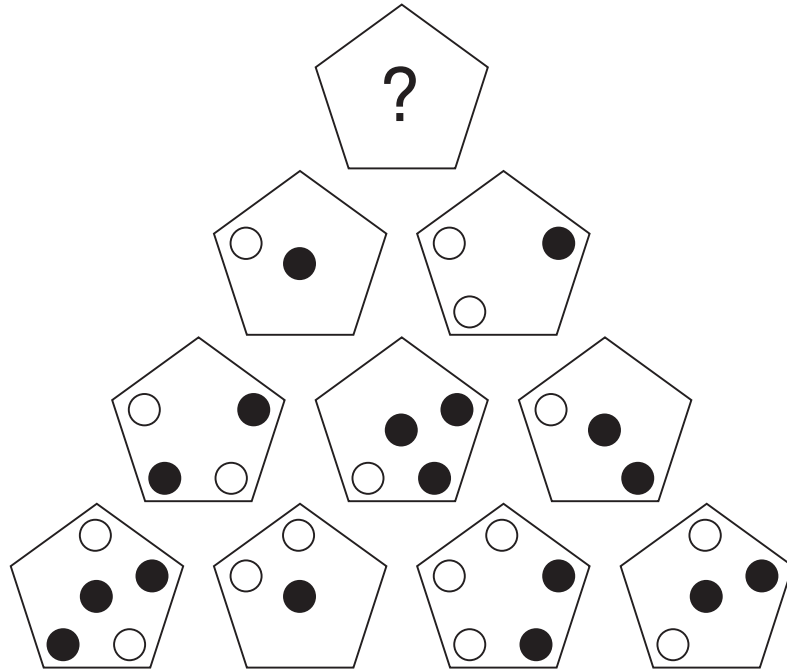
The father's rights activists' dog buried its bone in the garden.

11. Which number is the odd one out?

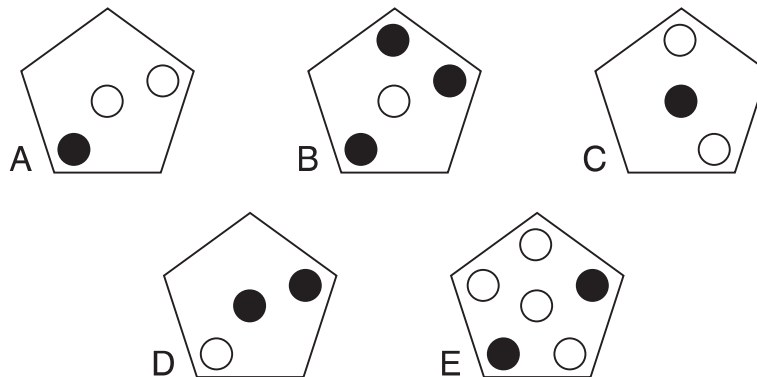
6394, 9416, 5278, 6231, 9614, 6132, 7895, 5872, 7598

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12.



Which pentagon should replace the question mark?



13. Which word in brackets is closest in meaning to the word in capitals?

SPARTAN (scarce, austere, erratic, limited, fierce)

14. Only one set of letters below can be rearranged into a six-letter word in the English language. Find the word.

HURLPO

KCIENA

WINCAL

EJBATC

XELPOD

NWIOLM

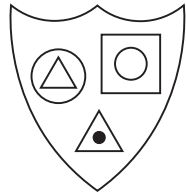
15. 7964325 is to 6975234

and 5822139 is to 2859312

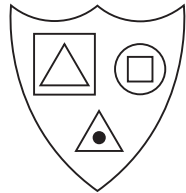
therefore 7469851 is to ?

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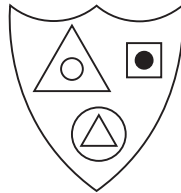
16.



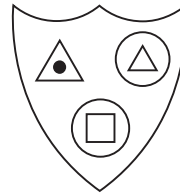
Which shield below has most in common with the shield above?



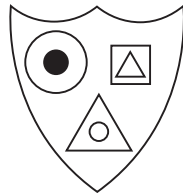
A



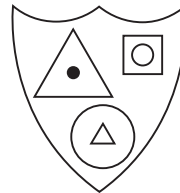
B



C



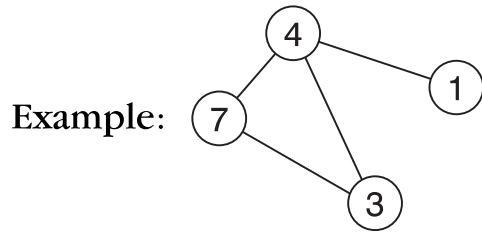
D



E

17. caster is to chair as rowel is to: wheel, spur, bicycle, pulley, gyroscope

18. Insert the numbers 1–6 in the circles so that for any particular circle the sum of the numbers in the circles connected directly to it equals the value corresponding to the numbers in that circle as given in the list.

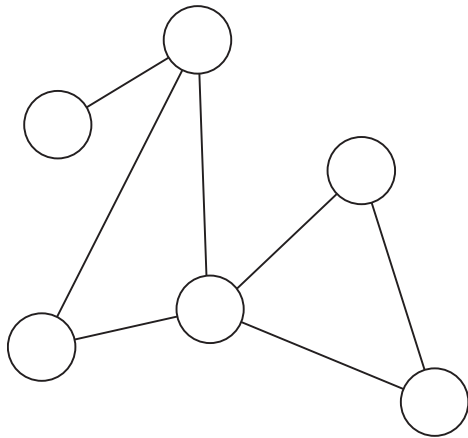


$$1 = 4$$

$$3 = 11 (4 + 7)$$

$$4 = 11 (1 + 3 + 7)$$

$$7 = 7 (4 + 3)$$



$$1 = 8$$

$$2 = 4$$

$$3 = 6$$

$$4 = 13$$

$$5 = 14$$

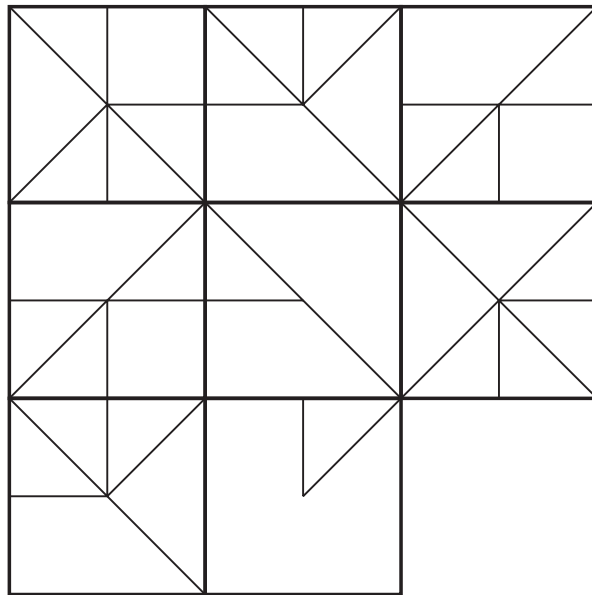
$$6 = 9$$

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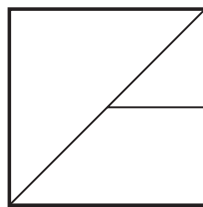
19. What four-letter word can be placed in the bracket to form a word when tacked onto the end of blue and another word when placed in front of owed?

BLUE (****) OWED

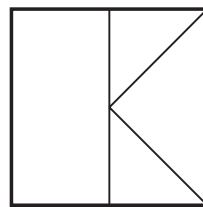
20.



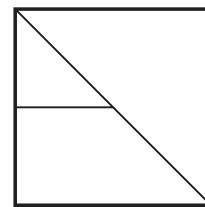
Which is the missing tile?



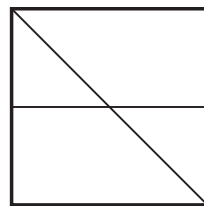
A



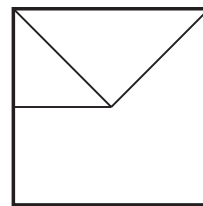
B



C



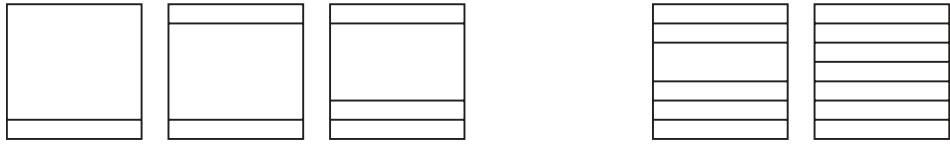
D



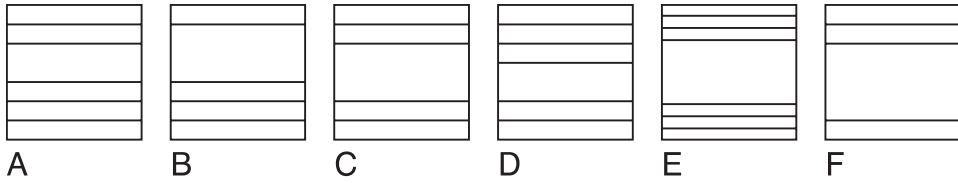
E

Test Ten: Questions

21.



Which is the missing square?



22. Which two words are closest in meaning?

lonely, haughty, crafty, credulous, careful, arrogant

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23. Switch A turns lights 1 and 2 on/off or off/on
Switch B turns lights 2 and 4 on/off or off/on
Switch C turns lights 1 and 3 on/off or off/on
Switch D turns lights 3 and 4 on/off or off/on

● = ON

○ = OFF

Switches D, B, C and A are thrown in turn with the result that Figure 1 turns into Figure 2. Which switch does not work at all?

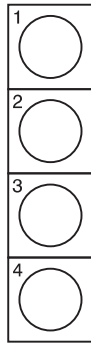


Figure 1

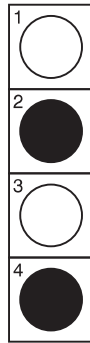
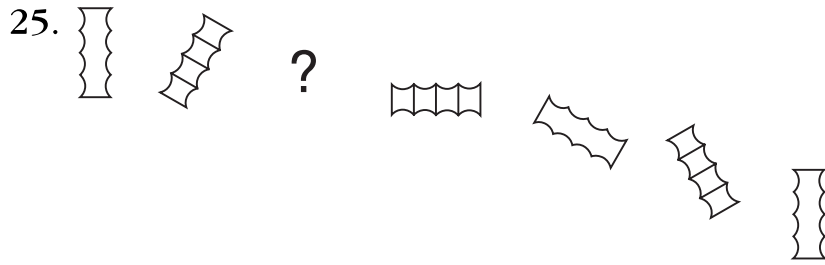
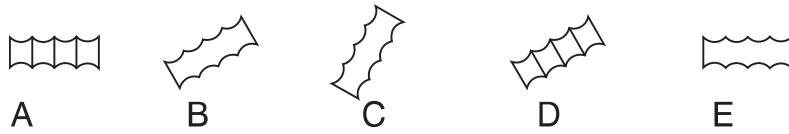


Figure 2

24. Using all of the letters in the phrase A CATASTROPHIC PROTON only once each spell out the names of three types of vegetable.



Which figure is missing?

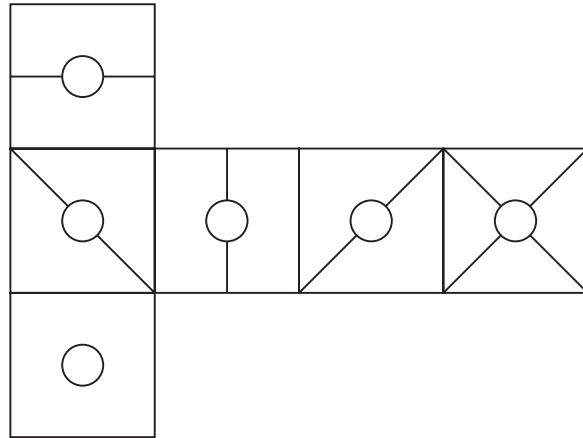


26. Which two words are most opposite in meaning?

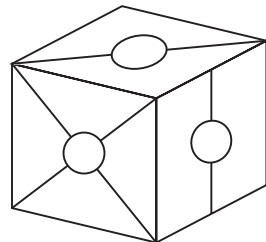
validation, revival, sarcasm, extinction, rebellion, fissure

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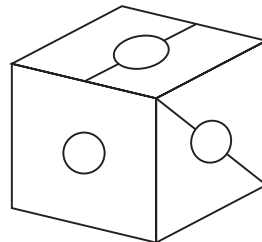
27.



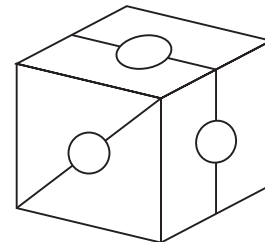
When the above is folded to form a cube, which is the only one of the following that *can* be produced?



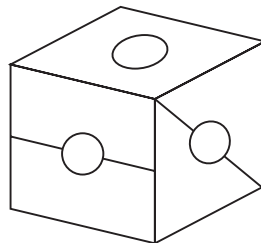
A



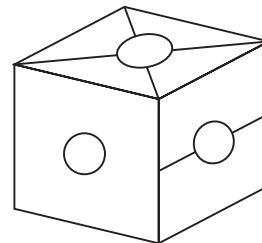
B



C



D



E

28. Which word in brackets is most opposite in meaning to the word in capitals?

SENSIBLE (unaware, subordinate, irrational, outlandish, irreverent)

29. 9, 16, 13, 13, 17, 10, 21, 7, ?

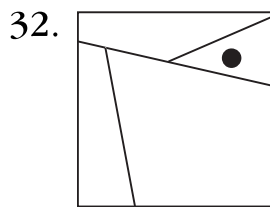
What number should replace the question mark?

30. dirty, berry, hint, knot

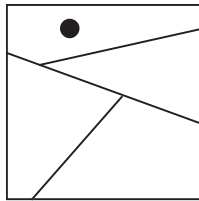
Which one word below shares a common feature with all four words above?

part, cost, near, find, open

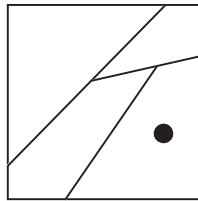
31. AFFIRM DEMON is an anagram of which phrase (5, 2, 4)?
Clue: inclination.



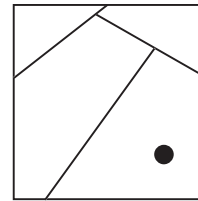
Which square below has most in common with the square above?



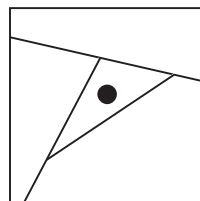
A



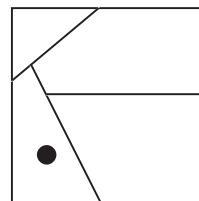
B



C



D



E

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33. 70 91 120

14 13 24

5 7 ?

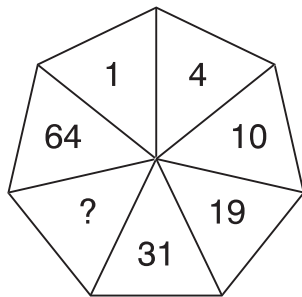
What number should replace the question mark?

34. A B C D E F G H

What letter is two letters to the right of the letter immediately to the left of the letter four letters to the right of the letter two letters to the left of the letter E?

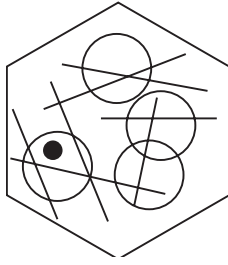
35. POLLUTE SPICE is an anagram of which phrase (4, 2, 6)?
Clue: demolish.

36.

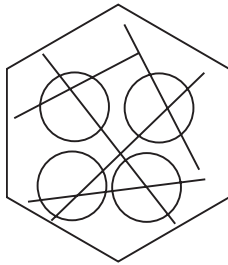


What number should replace the question mark?

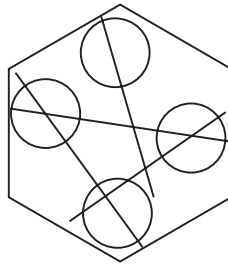
37.



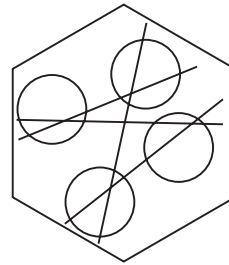
To which hexagon below can a dot be added so that it then meets the same conditions as in the hexagon above?



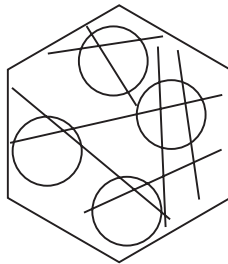
A



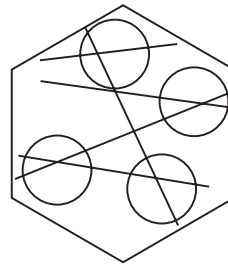
B



C



D



E

38. A greengrocer received a boxful of tomatoes and on opening the box found that several had gone bad. He then counted them up so that he could make a formal complaint and found that 68 were mouldy, which was 16 per cent of the total contents of the box. How many tomatoes were in the box?

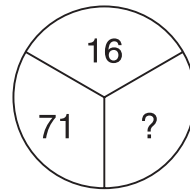
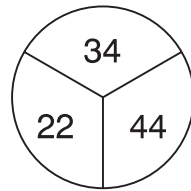
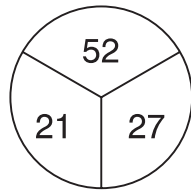
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39. EMPTY (PRISM) VIRUS

DEPTH (*****) DUALS

What word is coded to appear in the second bracket?

40.



What number should replace the question mark?

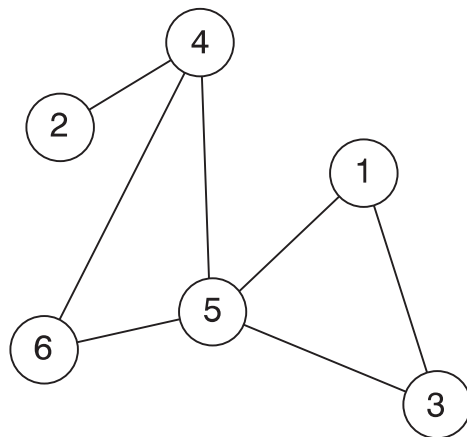
Test Ten: Answers

1. 17: $8 + 9 = 17$; $7 + 6 = 13$
2. bland
3. 86: the amount deducted increases by 0.5 each time i.e. 0.5, 1, 1.5, 2, 2.5, 3, 3.5
4. Switch B is not working.
5. D: so that the dot is in the square and two circles
6. deltoid: it means triangular in shape. The rest mean double or twofold.
7. 2: in rows and columns alternate digits total the same, for example $5 + 9 = 10 + 4$
8. METEORIC: to give some/melt, late/test, door/oral, epic/icon
9. C: the rest are the same figure rotated
10. The fathers' rights activist's dog buried its bone in the garden.

The Times Book of IQ Tests

11. 6394: all the others are in pairs where the second and fourth digits change places: 5278/5872, 9416/9614, 7895/7598, 6231/6132
12. D: the contents of each pentagon are determined by the contents of the two pentagons immediately below it. Only when a dot appears in one of the corner positions or centre just once in these two pentagons, is it carried forward to the pentagon above.
13. austere
14. EJBATC = ABJECT
15. 6471589: reverse the first three digits, then the last four digits
16. E: it contains a triangle in a circle, a circle in a square and a black dot in a triangle
17. spur

18.



Alternatively as above but with 1 and 3 reversed.

19. BELL: BLUEBELL, BELLOWED
20. C: in each row and column the contents of the third square is determined by the contents of the first two squares. Lines are transferred from these two squares to the third square, except when they appear in the same position in both squares, in which case they are cancelled out.
21. C: a line is added at the top and bottom alternately
22. haughty, arrogant
23. Switch B is faulty.
24. SPINACH, CARROT, POTATO
25. B: the figure is tumbling over and alternates white/striped
26. revival, extinction
27. B
28. irrational
29. 25: there are two alternate sequences: +4 and -3
30. cost: all the words have their letters in alphabetical order
31. FRAME OF MIND
32. D: the dot is in a triangle
33. 5: $70 \div 14 = 5$; $91 \div 13 = 7$, $120 \div 24 = 5$

The Times Book of IQ Tests

34. H

35. PULL TO PIECES

36. 46: start at 1 and work clockwise adding 3, 6, 9, 12, 15, 18

37. D: so that it appears in a circle with three secants (lines) passing through it

38. 425: $(68 \div 16) \times 100$

39. PAUSE:

5 1 (1 2 3 4 5) 3 2 4

E M P T Y (P R I S M) V I R U S

D E P T H (P A U S E) D U A L S

40. 13: the numbers in each circle total 100

Further Reading from Kogan Page

Books

- The Advanced Numeracy Test Workbook*, Mike Bryon, 2003
- Aptitude, Personality and Motivation Tests: Assess Your Potential and Plan Your Career*, 2nd edition, Jim Barrett, 2004
- The Aptitude Test Workbook*, Jim Barrett, 2003
- The Graduate Psychometric Test Workbook*, Mike Bryon, 2005
- Great Answers to Tough Interview Questions: How to Get the Job You Want*, 6th edition, Martin John Yate, 2005
- How to Master Personality Questionnaires*, 2nd edition, Mark Parkinson, 2000
- How to Master Psychometric Tests*, 3rd edition, Mark Parkinson, 2004
- How to Pass Advanced Aptitude Tests*, Jim Barrett, 2002
- How to Pass the Civil Service Qualifying Tests*, 2nd edition, Mike Bryon, 2003
- How to Pass Computer Selection Tests*, Sanjay Modha, 1994
- How to Pass Firefighter Recruitment Tests*, Mike Bryon, 2004
- How to Pass Graduate Psychometric Tests*, 2nd edition, Mike Bryon, 2001
- How to Pass the New Police Selection System*, 2nd edition, Harry Tolley, Billy Hodge and Catherine Tolley, 2004

The Times Book of IQ Tests

How to Pass Numeracy Tests, 2nd edition, Harry Tolley and Ken Thomas, 2000

How to Pass Numerical Reasoning Tests, Heidi Smith, 2003

How to Pass Professional Level Psychometric Tests, 2nd edition, Sam Al-Jajjoka, 2004

How to Pass Selection Tests, 3rd edition, Mike Bryon and Sanjay Modha, 2005

How to Pass Technical Selection Tests, 2nd edition, Mike Bryon and Sanjay Modha, 2005

How to Pass Verbal Reasoning Tests, 2nd edition, Harry Tolley and Ken Thomas, 2000

IQ and Psychometric Test Workbook, Philip Carter, 2005

Preparing Your Own CV: How to Improve Your Chances of Getting the Job You Want, 3rd edition, Rebecca Corfield, 2003

Readymade CVs: Sample CVs for Every Type of Job, 3rd edition, Lynn Williams, 2004

Readymade Job Search Letters: Every Type of Letter for Getting the Job You Want, 3rd edition, Lynn Williams, 2004

Successful Interview Skills, Rebecca Corfield, 1992

Test Your Own Aptitude, 3rd edition, Jim Barrett and Geoff Williams, 2003

The Times Book of IQ Tests: Book 1, Ken Russell and Philip Carter, 2001

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The Times Book of IQ Tests: Book 4, Ken Russell and Philip Carter, 2004

The Ultimate Interview Book, Lynn Williams, 2005

CD ROMS

Psychometric Tests, Volume 1, The Times Testing Series,
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Test Your Aptitude, Volume 1, The Times Testing Series, Editor
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Test Your IQ, Volume 1, The Times Testing Series, Editor Mike
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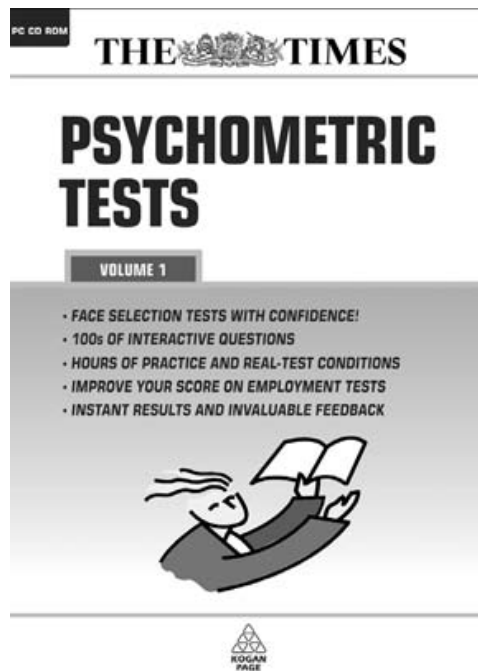
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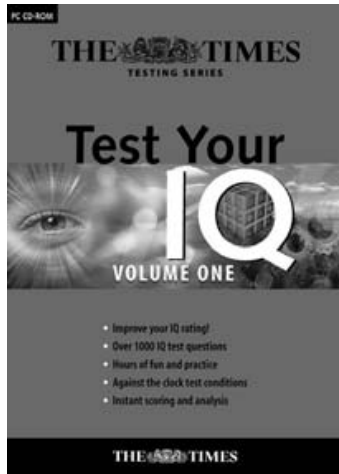
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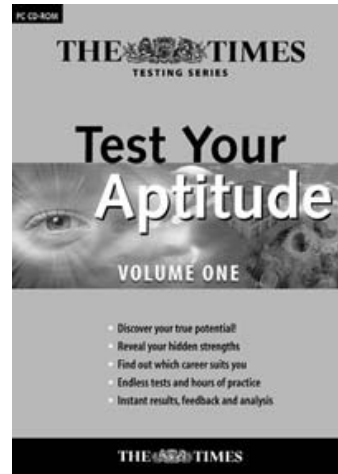
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