## Answers

These answers can also be found online at www.scholastic.co.uk/pass-your-11-plus/extras/gl or via the QR code on the right.

## Practice Paper 1A: English and Verbal Reasoning

## English: King Alfred the Great (pages 6 to 8)

| $\mathbf{1}$ | $\mathbf{A}$ | The main purpose of the opening paragraph is to highlight that King Alfred is considered a great monarch. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{B}$ | Alfred used his determination and intelligence to win a book of poems. |
| $\mathbf{3}$ | $\mathbf{D}$ | King Alfred didn't want to give money to the Vikings because he didn't want to help them become richer and <br> more powerful. |
| $\mathbf{4}$ | $\mathbf{E}$ | It is not true that King Alfred was widely known for his baking skills. He was known for burning cakes. |
| $\mathbf{5}$ | $\mathbf{D}$ | The section 'Alfred the Defender' tells the reader about Alfred's forts around the settlements. |
| $\mathbf{6}$ | $\mathbf{C}$ | The text is biographical. It is about the life of King Alfred the Great. |
| $\mathbf{7}$ | $\mathbf{B}$ | The closest meaning to 'vanquish' is 'to completely defeat' something. |
| $\mathbf{8}$ | $\mathbf{D}$ | To describe the Vikings as 'fearsome' means they were 'very frightening'. |
| $\mathbf{9}$ | $\mathbf{A}$ | The words 'Wessex', 'Alfred', 'Vikings', 'Wantage' and 'Anglo-Saxons' are all proper nouns. They are all specific or <br> special names given to a place, person or group of people. |
| $\mathbf{1 0}$ | $\mathbf{C}$ | There is one adjective in the sentence. <br> 'Alfred believed that law and order was very important for his people.' |

## Punctuation (page 9)

| $\mathbf{1}$ | $\mathbf{C}$ | A bracket is needed after 'species'. The text within the brackets offers extra information about the jungle. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{B}$ | A capital letter is needed for the 'v' in 'Vikings'. It is part of a proper noun, which is a name given to a specific group <br> of people. |
| $\mathbf{3}$ | $\mathbf{N}$ | No mistake |
| $\mathbf{4}$ | $\mathbf{D}$ | A possessive apostrophe is needed to show that the cake stall belongs to Becky - Becky's cake stall. |
| $\mathbf{5}$ | $\mathbf{B}$ | A comma is needed after 'Khalid' to make it clear who has decided to go to the shops. |
| $\mathbf{6}$ | $\mathbf{C}$ | The contraction apostrophe in 'wev'e' is incorrect for. It should be 'we've', which is short for 'we have'. |
| $\mathbf{7}$ | $\mathbf{D}$ | A comma is needed after 'Let's drink' for the sentence to be clearer and make more sense. |
| $\mathbf{8}$ | $\mathbf{C}$ | A question mark is needed after 'area', instead of a comma, as Jay is asking a question. |

## Spelling (page 10)

| 1 | D | cousins The word 'cousins' has a /u/ sound, which is spelled with 'ou'. |
| :---: | :---: | :---: |
| 2 | B | island There is a silent letter ' $s$ ' in 'island'. |
| 3 | A | immediately There is a double letter 'mm' in 'immediately'. |
| 4 | C | rain This is a homophone. The correct spelling is 'rain'. The word 'reign' means 'the rule of a leader/monarch'. |
| 5 | N | No mistake |
| 6 | A | palm If the letter ' $l$ ' is towards the end of the word, before the letter ' $m$ ' but after the letter ' $a$ ', then it's usually silent. The ' $a$ ' has an /r/ vowel sound. |
| 7 | B | field We usually use 'i' before 'e' unless the 'i' comes after the letter 'c'. |
| 8 | D | incredible We use the 'ible' suffix if we can't hear a clear root word. |

## Grammar (page 11)

| $\mathbf{1}$ | $\mathbf{B}$ | their This is a determiner word that shows something that belongs to, or is connected to, a group of people, <br> animals or things - 'their local football team'. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{D}$ | an We add the article 'an' before words starting with a vowel - 'an anthill'. |
| $\mathbf{3}$ | $\mathbf{D}$ | coldest This is a superlative adjective. We usually add just '-est' to adjectives ending in two consonants: cold - coldest. |
| $\mathbf{4}$ | $\mathbf{C}$ | had fallen The verb 'fallen' is a past participle of the verb 'fall'. We add 'had' before it. We use it to explain a past <br> action that may affect a present situation. |
| $\mathbf{5}$ | $\mathbf{E}$ | who This is a relative clause. It gives extra information about a noun (Queen Flo) before it. |
| $\mathbf{6}$ | $\mathbf{A}$ | his This is a singular possessive pronoun. It helps show what Amir owns - his new trainers. |
| $\mathbf{7}$ | $\mathbf{B}$ | must be We use the modal verb 'must be' to highlight something that 'must' happen before an action. |
| $\mathbf{8}$ | $\mathbf{C}$ | but We can use 'but' as a linking conjunction word to contrast/compare the first part of the sentence with the <br> second part of the sentence. |

## Verbal Reasoning (page 12)

| $\mathbf{1}$ | A, C | Asia, Europe <br> The three words 'Norway', 'China' and 'Peru' are names of countries. The other two words are names of continents. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | B, D | whisper, mumble <br> The three words 'bellow', 'shriek' and 'yell' are verbs that describe loud shouting. The other two words are <br> verbs that describe quieter talking. |
| $\mathbf{3}$ | B, E | bend, stretch <br> The three words 'leg', 'arm' and 'ankle' are different parts of the body. The other two words are types of body actions. |
| $\mathbf{4}$ | C, E | necklace, bracelet <br> The three words 'diamond', 'emerald' and 'sapphire' are precious gemstones. The other two words describe <br> two types of jewellery that may contain precious gemstones. |
| $\mathbf{5}$ | A, D | above, atop <br> The three words 'below', 'beneath' and 'under' are prepositions that describe lower positions. The other two <br> words are prepositions that describe higher positions. |

(page 13)

| $\mathbf{1}$ | D | The hidden word is raft. Mia wrote the letter after lunch. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{A}$ | The hidden word is heap. The apes swung through the trees. |
| $\mathbf{3}$ | $\mathbf{D}$ | The hidden word is oven. I lost my glove near here. |
| $\mathbf{4}$ | $\mathbf{E}$ | The hidden word is wasp. The thick rose bush was prickly. |

(page 14)

| $\mathbf{1}$ | A | $\mathrm{A}=\mathbf{3 : B}(6)+\mathrm{D}(9)-\mathrm{E}(12)=3 ; 6+9-12=3$ |
| :--- | :--- | :--- |
| $\mathbf{2}$ | D | $\mathrm{D}=\mathbf{7}: \mathrm{E}(14)-\mathrm{C}(5)-\mathrm{A}(2)=7 ; 14-5-2=7$ |
| $\mathbf{3}$ | D | $\mathrm{D}=\mathbf{9}: \mathrm{B}(3) \times \mathrm{C}(6) \div \mathrm{A}(2)=9 ; 3 \times 6 \div 2=9$ |
| $\mathbf{4}$ | D | $\mathrm{D}=\mathbf{1 8}: \mathrm{D}(18)+\mathrm{A}(4)-\mathrm{C}(10)+\mathrm{B}(6)=18 ; 18+4-10+6=18$ |
| $\mathbf{5}$ | C | $\mathrm{C}=\mathbf{4}: \mathrm{C}(4) \times \mathrm{B}(3) \div \mathrm{D}(6)+\mathrm{A}(2)=4 ; 12 \div 6+2=4$ |

(page 15)

| 1 | C | o Two new words are 'flat' and 'boat'. Move 'o' in the first word. Add it after the letter 'b' in the second word. |
| :--- | :--- | :--- |
| 2 | D | c Two new words are 'path' and 'clog'. Move 'c' from the first word. Add it to the beginning of the second word. |
| 3 | E | n Two new words are 'rise' and 'even'. Move ' $n$ ' from the first word. Add it to the end of the second word. |
| 4 | B | w Two new words are 'seat' and 'wheat'. Move ' $w$ ' from the first word. Add it to the beginning of the second word. |
| 5 | B | h Two new words are 'tick' and 'thank'. Move ' $h$ ' from the first word. Add it after the letter ' $t$ ' in the second word. |

(page 16)

| $\mathbf{1}$ | $\mathbf{A}, \mathbf{Y}$ | rude, polite 'Rude' describes someone who is bad-mannered. 'Polite' describes someone who is well-mannered. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{C , Z}$ | full, empty 'Full' describes something that does not have any more space. 'Empty' describes something that <br> does not have anything in it. |
| $\mathbf{3}$ | B, $\mathbf{X}$ | trickle, gush 'Trickle' means 'a small, slow flow of liquid'. 'Gush' means 'a large, fast flow of liquid'. |
| $\mathbf{4}$ | $\mathbf{A , Y}$ | vast, tiny 'Vast' describes something that is very large. 'Tiny' describes something that is very small. |

(page 17)

| Code letter answers |  | Two of the words start with T and two of the codes start with 2, so T must be 2. Two of the words end in E and two of the codes end in 6, so E must be 6 . <br> A word that starts with $T$ and ends with E is TAME, therefore 2346 must be TAME. From TAME, we then also know that $\mathrm{A}=3$ and $\mathrm{M}=4$. <br> From this we can work out that TEAR is 2635 , so $R=5$. <br> We then know that 1356 must be BARE and we can shuffle the digits of this code around to also work out that REAM is 5634 . |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | D | REAM = 5634 |  |  |  |
| 2 | A | $4326=$ MATE |  |  |  |
| 3 | B | MEET = 4662 |  |  |  |

## Reading Question (page 17)

| $\mathbf{1}$ | $\mathbf{C}$ | The sentence 'Aaron is the youngest child.' is true. He is seven years old. <br> Gina and Giles are eight years old. <br> Rosie is three years older than Aaron. This makes her ten years old. <br> Thea is older than Gina and younger than Rosie. <br> The other sentences are not true. |
| :--- | :--- | :--- |

## Practice Paper 1B: Mathematics and Non-verbal Reasoning

Mathematics (pages 19-24)

| 1 | D | $8^{2}+5^{2} 89=64+25=8^{2}+5^{2}$ |
| :---: | :---: | :---: |
| 2 | A | 77 minutes <br> 09:46 to 10:00 is 14 minutes. 10:00 to 11:00 is 60 minutes. 11:00 to 11:03 is 3 minutes. $14+60+3=77$ minutes. |
| 3 | D | $\begin{aligned} & 1996 \\ & M-1000 \\ & C M-900 \\ & \text { XC - } 90 \\ & \text { VI - } 6 \end{aligned}$ |
| 4 | B | 3cm The two sides that measure 6 cm are represented by 12 in the formula. <br> $12+2 a=18$. The two sides that are represented by a must total $2 a$ and can be worked out by subtracting 12 from 18 and then dividing the answer by 2 : $18 \mathrm{~cm}-12 \mathrm{~cm}=6 \mathrm{~cm}$. The total length of those sides is 6 cm , so the length of one side must be half of 6 , which is 3 cm . |
| 5 | E | In size order, smallest first: $\begin{array}{lllll} -0.1 & -0.02 & 0.05 & 0.14 & 0.2 \end{array}$ |
| 6 | A | $125 \mathrm{~cm}^{3} 5 \times 5 \times 5=125 \mathrm{~cm}^{3}$ |
| 7 | E | 42 Total number of available seats: $57 \times 5=285$ Total number of people currently going on the trip: $227+16=243$ Number of seats still available: $285-243=42$ |
| 8 | A | A trapezium is made. |
| 9 | B | -4 Each term is 5 more than the previous term. $\begin{array}{llllll} -9 & -4 & 1 & 6 & 11 & 16 \end{array}$ |
| 10 | D | 335 blue sweets means every sweet symbol represents 2 sweets. <br> There are 15 whole sweet symbols and 3 half sweet symbols, so 16 and a half sweet symbols altogether. $\begin{aligned} & 2 \times 15=30 \\ & 3 \times \frac{1}{2}=3 \\ & 30+3=33 \text { sweets in total } \end{aligned}$ |
| 11 | A | 17 <br> Thirds in $5=3 \times 5=15$ <br> Thirds in $\frac{2}{3}=2$ <br> $15+2=17$ thirds |
| 12 | B | 379,263 419,263 409,263 399,263 389,263 379,263 <br> 429,263 $4(3 \times 2)$     |
| 13 | B | $\begin{aligned} & 4(3 \times 2)+(1 \times 0)=6+0=6 \\ & 10-4=6 \end{aligned}$ <br> So, the missing number is 4 . |
| 14 | C | $31 \mathrm{~m}^{2}$ First garden: $6 \times 7=42 \mathrm{~m}^{2}$ and $3 \times 3=9 \mathrm{~m}^{2}$ $42 \mathrm{~m}^{2}+9 \mathrm{~m}^{2}=51 \mathrm{~m}^{2}$ <br> Second garden: $6 \times 5=30 \mathrm{~m}^{2}$ and $13 \times 4=52 \mathrm{~m}^{2}$ $30 \mathrm{~m}^{2}+52 \mathrm{~m}^{2}=82 \mathrm{~m}^{2}$ <br> Difference: $82 m^{2}-51 m^{2}=31 m^{2}$ |
| 15 | E | $(4,5)$ |
| 16 | C | $15127 \div 9=14$ remainder 1 <br> The decorator needs 15 rolls of wallpaper because 14 isn't quite sufficient. |
| 17 | D | $\frac{77}{100} \quad \frac{3}{10}=0.3$ <br> So, $0.47+0.3=0.77=\frac{77}{100}$ |
| 18 | E | 12 is a multiple of $3(3 \times 4=12)$ but it is not a factor of 90 and therefore does not belong in the shaded area. |
| 19 | A | $\begin{gathered} \hline 33 \times 7=21 \\ 3 \times 100=300 \\ 3 \times 28=84 \\ 3 \times 22=66 \\ \hline \end{gathered}$ |
| 20 | B | $\mathbf{2 2 ^ { \circ }}$ The total of the three angles is $180^{\circ}$ because, together, they form a straight line. So, $180^{\circ}-90^{\circ}-68^{\circ}=22^{\circ}$ |


| $\mathbf{2 1}$ | A | 10:51 Given that it takes Daisy 12 minutes to walk from George Square bus stop to the restaurant, the latest bus <br> she could catch is the one that arrives at George Square at $11: 35$. <br> This bus leaves Victoria Park at 10:59, so to get there in time Daisy must leave home at least 8 minutes before that, <br> which is 10:51. |
| :--- | :--- | :--- |
| $\mathbf{2 2}$ | A | 20kg From the first two statements, it is known that Coco weighs 20kg more than Archie. <br> Using that information, and the third statement, it is then known that Archie weighs 20kg in order for Coco to weigh <br> 20kg more. <br> Coco + Archie $=20 \mathrm{~kg}+40 \mathrm{~kg}=60 \mathrm{~kg}$ |
| $\mathbf{2 3}$ | C | 12 12 houses had 0 pets: $12 \times 0=0$ <br> 5 houses had 12 pet: $5 \times 1=5$ <br> 2 houses had 2 pets: $2 \times 2=4$ <br> 1 house had 3 pets: $1 \times 3=3$ <br> $0+5+4+3=12$ pets |

## Practice Paper 1B: Mathematics and Non-verbal Reasoning (pages 25-30)

## Non-verbal Reasoning: Odd One Out (pages 25-27)

| $\mathbf{1}$ | $\mathbf{C}$ | The shapes that belong have one long line and one short line set at right angles to each other. <br> The odd one out has lines that are not set at right angles. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{D}$ | The shapes that belong have a larger and a smaller version of the same shape overlapping each other. <br> The odd one out has two identical, same size shapes overlapping each other. |
| $\mathbf{3}$ | $\mathbf{B}$ | The shapes that belong have one shape or vertical line between each pair of lines. <br> The odd one out has two vertical lines between one pair of lines and an empty pair of lines. |
| $\mathbf{4}$ | $\mathbf{E}$ | The shapes that belong have five parallel lines within the semicircle. <br> The odd one out has four parallel lines within the semicircle. |
| $\mathbf{5}$ | $\mathbf{A}$ | The shapes that belong are made up of four tessellating shapes. <br> The odd one out has only three tessellating shapes. |
| $\mathbf{6}$ | $\mathbf{D}$ | The shapes that belong are made up of two similar shapes; one larger surrounding a smaller one, and <br> rotated $180^{\circ}$ compared to each other. <br> The odd one out has a different larger shape surrounding the smaller one. |
| $\mathbf{7}$ | $\mathbf{B}$ | The shapes that belong have one right angle. <br> The odd one out has two right angles. |
| $\mathbf{8}$ | $\mathbf{E}$ | The shapes that belong have three triangles on one line and one triangle on the other line. <br> The odd one out has two triangles on each line. |
| $\mathbf{9}$ | $\mathbf{C}$ | The shapes that belong have an arrow pointing out from an acute angle. <br> The odd one out has an arrow pointing out from an obtuse angle. |
| $\mathbf{1 0}$ | $\mathbf{D}$ | The shapes that belong have line shading that runs parallel to the parallel sides of the shape. <br> The odd one out has line shading that runs perpendicular to the parallel sides of the shape. |
| $\mathbf{1 1}$ | $\mathbf{A}$ | The shapes that belong have a line splitting them into two identical halves. <br> The odd one out has a line that splits it into two non-identical parts. |
| $\mathbf{1 2}$ | $\mathbf{D}$ | The shapes that belong have a circle, a square and a triangle connected by two straight lines. <br> The odd one out has two squares and a circle connected by two straight lines. |
| $\mathbf{1 3}$ | The shapes that belong are rotations of each other. <br> The odd one out is a reflection of the other shapes. |  |
| $\mathbf{1 m}$ |  |  |

Non-verbal Reasoning: Codes (pages 28-30)

| 1 | A | TY The first letter indicates the overall shape - T means the pentagon. The second letter indicates the side of the shape on which the vertical line appears - Y means on the left. |
| :---: | :---: | :---: |
| 2 | D | YO The first letter indicates the position of the two straight lines - Y means lines below and to the right of the arrow. The second letter indicates the arrow position and direction - O means pointing diagonally up to the right. |
| 3 | C | RV The first letter indicates the number of lines coming out of the top of the rectangle - R means two lines. The second letter indicates the inside of the rectangle - V means a blank white space. |
| 4 | B | NU The first letter indicates the overall shape - N means a rectangle. The second letter indicates the line style - U means a dotted line. |
| 5 | E | OJ The first letter indicates the number of thin vertical lines within the rectangle - O means three thin vertical lines. The second letter indicates the number of thick vertical lines within the rectangle - J means four thick vertical lines. |
| 6 | D | GL The first letter indicates the number of circles - G means two circles. The second letter indicates the shape of the line - L means two small lines pointing down and out at either end of a longer, horizontal line. |
| 7 | A | TZ The first letter indicates the size of the diamond shape - T means small. The second letter indicates the internal line pattern - Z means a vertical line and a horizontal line. |
| 8 | B | IL The first letter indicates the number of lines used to make the zigzag - I means five lines. The second letter indicates the number of dots - L means two dots. |
| 9 | C | KR The first letter indicates the line shape that makes the bottom edge - K means a pointed shape. The second letter indicates the line shape that makes the top edge - R means a pointed shape. |


| $\mathbf{1 0}$ | $\mathbf{E}$ | ZH The first letter indicates the line arrangement inside the shape - Z means a diagonal line on the left and a <br> vertical line on the right. <br> The second letter indicates the outline shape - H means a square with curved corners. |
| :--- | :--- | :--- |
| $\mathbf{1 1}$ | A | LU The first letter indicates the position of the horizontal line - L means in the middle. <br> The second letter indicates which line or lines are thicker - U means the sloping side lines. |
| $\mathbf{1 2}$ | D | GM The first letter indicates the circle types $-G$ means one black inner circle and one complete inner circle. <br> The second letter indicates the number of lines - M means one line. |
| $\mathbf{1 3}$ | $\mathbf{C}$ | PFY The first letter indicates the type of shading - P means solid grey shading. <br> The second letter indicates the way the square has been divided into quarters - F means a vertical and a horizontal line. <br> The third letter indicates how many quarters are shaded - Y means three quarters are shaded. |

## Practice Paper 2A: English and Verbal Reasoning

## English: The Snow Queen (pages 32, 41 and 42)

| $\mathbf{1}$ | $\mathbf{D}$ | Lei followed a trail of her Grandma's pink rose petals. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{A}$ | The weather became worse because bitterly cold clouds blanketed the winter sun. The clouds cut out any warmth <br> from the sun. |
| $\mathbf{3}$ | $\mathbf{B}$ | Lei knew she was at the Snow Queen's palace when she saw the initials 'SQ' on the gate. |
| $\mathbf{4}$ | $\mathbf{E}$ | The delicate icicles looked like sparkling chandeliers. |
| $\mathbf{5}$ | $\mathbf{C}$ | The pink rose petals helped warm up Jay's frozen body. |
| $\mathbf{6}$ | $\mathbf{A}$ | Lei felt a deep chill because she knew that Jay was in great danger inside the ice palace. |
| $\mathbf{7}$ | $\mathbf{B}$ | The closest meaning to 'irritated' is 'annoyed'. |
| $\mathbf{8}$ | $\mathbf{D}$ | The word 'treacherous' can also mean 'dangerous'. The icy floor was dangerous - someone could slip on the ice <br> and badly hurt themselves. |
| $\mathbf{9}$ | $\mathbf{C}$ | There is one verb in the sentence. <br> ...a strange warmth going into her body. |
| $\mathbf{1 0}$ | $\mathbf{A}$ | The quotation is best described as a simile. It describes something that looks like another thing. |

Punctuation (page 43)

| $\mathbf{1}$ | $\mathbf{C}$ | A capital letter is needed for h' in 'Hassan'. His name is a proper noun. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{B}$ | A full stop is needed after the word 'mountains' to show the end of a sentence. |
| $\mathbf{3}$ | $\mathbf{C}$ | A dash is needed after 'skills' to show informal extra information given by the writer about the character '- he <br> practised every day.' |
| $\mathbf{4}$ | $\mathbf{A}$ | A comma is needed after 'morning' to separate the fronted adverbial from the rest of the phrase. |
| $\mathbf{5}$ | $\mathbf{C}$ | Speech marks are needed at the end of the dialogue sentence: "Be careful," called out his mother. |
| $\mathbf{6}$ | $\mathbf{C}$ | The question mark is incorrect. It should be a full stop or exclamation mark. |
| $\mathbf{7}$ | $\mathbf{B}$ | A contraction apostrophe is needed to form the correct contraction: Don't |
| $\mathbf{8}$ | $\mathbf{N}$ | No mistake |
| $\mathbf{9}$ | $\mathbf{B}$ | Two commas are needed to separate the list of adjectives: a huge, hungry, hairy Yeti. |

Spelling (page 44)

| $\mathbf{1}$ | $\mathbf{B}$ | steel This is the correct spelling of the word for a type of metal. Its homophone is 'steal', which means 'to take <br> something without asking'. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{D}$ | lamb The 'b' in 'lamb' is a silent letter. |
| $\mathbf{3}$ | $\mathbf{C}$ | twelfth The ' $f$ ' in 'twelfth' is a silent letter. |
| $\mathbf{4}$ | $\mathbf{N}$ | No mistake |
| $\mathbf{5}$ | $\mathbf{A}$ | collect There is a double letter of 'l' in 'collect'. |
| $\mathbf{6}$ | $\mathbf{B}$ | believe We usually put 'i' before 'e' unless the 'i' comes after the letter 'c'. |
| $\mathbf{7}$ | $\mathbf{A}$ | average Most words that end with a /j/ sound end with 'age' and not 'ige'. |
| $\mathbf{8}$ | $\mathbf{C}$ | skipping For verbs that end with a vowel and then a consonant, double the consonant before adding the suffix <br> '-ing': skip - skipping. |

Grammar (page 45)

| $\mathbf{1}$ | $\mathbf{A}$ | were It is the plural past tense of the verb 'to be': 'we were finally...' |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{C}$ | discovery This is a noun that names an action of discovering something. |
| $\mathbf{3}$ | $\mathbf{D}$ | best This is a comparative adjective: 'the best time to...' |
| $\mathbf{4}$ | $\mathbf{B}$ | read This is an irregular past tense verb: 'I read the directions...' |
| $\mathbf{5}$ | $\mathbf{D}$ | whose This is a relative clause. It gives extra information about a noun (the captain) before it. |
| $\mathbf{6}$ | $\mathbf{A}$ | Soon This is a time adverb that highlights that an action happened quite quickly: 'Soon, a strong wind...' |
| $\mathbf{7}$ | $\mathbf{E}$ | across This is a position preposition that shows that the ship is moving across the sea. |
| $\mathbf{8}$ | $\mathbf{A}$ | might This is a modal verb that shows a possibility of getting to the island: 'we might just get to the island...'' |


| $\mathbf{1}$ | $\mathbf{A}$ | OWE It snOWEd heavily all through the night. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{D}$ | ATE The spaceship landed in the wide crATEr. |
| $\mathbf{3}$ | $\mathbf{B}$ | KEY We raised money for a donKEY rescue centre. |
| $\mathbf{4}$ | $\mathbf{C}$ | RAN Finlay found a stRANge object in the old attic. |
| $\mathbf{5}$ | $\mathbf{E}$ | ASK Ana placed the fresh fruit into her shopping bASKet. |

(page 47)

| $\mathbf{1}$ | C | coat (cover paint): to provide a layer over something; (fur jacket ): an animal covering of hair and item of outer clothing. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | A | hard (solid firm): something that feels rigid and inflexible; (difficult harsh): something that is tough or demanding to do. |
| $\mathbf{3}$ | D | fair (fete carnival) a community outdoor event or celebration; (just honest): to make a balanced judgement. |
| $\mathbf{4}$ | B | post (stake pole): a vertical stick supporting or showing something; (mail blog): items delivered to the door or a <br> personal discussion placed on the internet. |
| $\mathbf{5}$ | E | storm (gale hurricane): a bad or heavy weather condition; (attack ambush): to suddenly attack a place. |

(page 48)

| $\mathbf{1}$ | $\mathbf{B}, \mathbf{Z}$ | care, less The two words together make the word 'careless'. The other words joined together do not make new words. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{C}, \mathbf{Y}$ | drag, on The two words together make the word 'dragon'. The other words joined together do not make new words. |
| $\mathbf{3}$ | $\mathbf{C}, \mathbf{X}$ | my, self The two words together make the word 'myself'. The other words joined together do not make new words. |
| $\mathbf{4}$ | $\mathbf{A , Y}$ | run, way The two words together make the word 'runway'. The other words joined together do not make new words. |

(page 49)

| 1 | D | FJ The first letters in each pair are in alphabetical order: AH BH CI DI EJ FJ. The second letters in each pair follow a double letter pattern in alphabetical order (H-H, I-I, J-J): AH BH CI DI EJ FJ. |
| :---: | :---: | :---: |
| 2 | A | UX The counting pattern for the first and second letters in each pair is (+2). First letters: MP OR QT SV UX (M (+2), O (+2), Q (+2), S(+2), U) Second letters: MP OR QT SV UX (P (+2), R (+2), T (+2), V (+2), X) |
| 3 | B | ZC The first letters in each pair are in alphabetical order: UR VO WL XI YF ZC. The second letters in each pair follow the counting pattern $(-3)$ : UR VO WL XI YF ZC (R (-3), O (-3), L (-3), I (-3), F (-3), C.) |
| 4 | D | RO The first letters in each pair follow the counting pattern (+3): <br> CT FS IR LQ OP RO (C (+3), F (+3), I (+3), L (+3), O (=3), R.) <br> The second letters in each pair are in alphabetical order going backwards: CT FS IR LQ OP RO |
| 5 | E | EF The counting pattern for the first and second letters in each pair is (+2), ( -1 ). First letters: BC DE CD EF DE FG EF: B(+2), D (-1), C (+2), E (-1), D (+2), F (-1), E Second letters: BC DE CD EF DE FG EF: C(+2), E (-1), D (+2), F (-1), E (+2), G (-1), F |

(page 50)

| $\mathbf{1}$ | $\mathbf{C}$ | emu - The second and third letters from the first word followed by the second letter from the second word. <br> (son [one] pet) (hem [emu] tug) |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{B}$ | meat - The third letter from the second word followed by the second, third and fourth letters from the first word. <br> (back [sack] lost) (heat [meat] limp) |
| $\mathbf{3}$ | D | wind - The first and second letters from the second word followed by the third and fourth letters from the first <br> word. <br> (drop [shop] shun) (band [wind] with) |
| $\mathbf{4}$ | A | part - The fourth and third letters form the first word followed by the fifth and first letters from the second word. <br> (close [song] grain) (shape [part] tower) |
| $\mathbf{5}$ | E | lack - The fourth and second letters in the first word followed by the fourth and fifth letters in the second word. <br> (lamps [pant] joint) (early [lack] truck) |

(page 51)

| 1 | A | 16 Add 2 to each number: 8 (+2), 10 (+2), 12 (+2), 14 (+2), 16 |
| :---: | :---: | :---: |
| 2 | E | 18 Follow sequence pattern ( -3 ), (+10) : $7(-3), 4(+10), 14(-3), 11(+10), 21(-3), 18$ or add 7 to alternate numbers $7(+7), 14(+7), 21$ and $4(+7), 11(+7)$, 18 . Giving the sequence 7414112118 |
| 3 | E | 47 Follow sequence pattern (+3), (+4), (+5), (+6), (+7): $22(+3), 25(+4), 29(+5), 34(+6), 40(+7), 47$ <br> Or take 2 from alternate numbers $70(-), 68(-2), 66$ and $63(-2), 61(-2), 59$. Giving the sequence 7063686166 59 |
| 4 | C | 59 Follow sequence pattern (-7), (+5) : 70 (-7), 63 (+5), 68 (-7), 61 (+5), 66 (-7), 59 |

Reading Question (page 51)

| $\mathbf{1}$ | A | Alex baked the fewest cakes. He only baked a chocolate cake. <br> Femi, Sam and Meena baked three cakes each: carrot cake, flapjacks and lemon drizzle cake. <br> Dylan baked three cakes: carrot cake, lemon drizzle cake and chocolate cake. |
| :--- | :--- | :--- |

## Practice Paper 2B: Mathematics and Non-verbal Reasoning

Mathematics (pages 53-58)

| $\mathbf{1}$ | C | $8800 \div 1000=8.8$ <br> $\mathbf{2}$ |
| :--- | :--- | :--- |


| 18 | B | -6 The numerical gap between each pair of small vertical lines is 5 . The question mark should be replaced with -6 . |
| :---: | :---: | :---: |
| 19 | D | $£ 10$ When $£ 1$ is worth 5.5 leu, $£ 30$ is worth $30 \times 5.5=165$ leu. Andrei spent 110 of the leu, so $165-110=55$ leu left. Converting back to pounds at the exchange rate $£ 1=5.5$ leu gives $55 \div 5.5=£ 10$. |
| 20 | A | $46^{\circ}$ The two angles, $134^{\circ}$ and $t$, form a straight line. The angle along a straight line is $180^{\circ}$. So, angle $t=180^{\circ}-134^{\circ}=46^{\circ}$. |
| 21 | C | 8 Calculate the third number in a row or column when the other two are already known. <br> 8 is the largest number in this square. |
| 22 | A | Three apples for the price of two is the cheapest way of buying six apples - it costs $£ 2.80$. |

## Practice Paper 2B: Mathematics and Non-verbal Reasoning (pages 59-64)

Non-verbal Reasoning: Matrices (pages 59-61)

| $\mathbf{1}$ | $\mathbf{B}$ | In each column, the shapes are rotated $180^{\circ}$. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{B}$ | In each row, moving from left to right, the squares are rotated $90^{\circ}$ anticlockwise and the small shape shading <br> changes from white to black. |
| $\mathbf{3}$ | $\mathbf{E}$ | A column contains three matching shapes with each column containing a different shape. Within each column, one <br> shape is shaded white, one shape is shaded black, and one shape has vertical striped shading. |
| $\mathbf{4}$ | $\mathbf{A}$ | In each column, the squares are rotated $180^{\circ}$ and, moving from top to bottom, a small inner shape is added. |
| $\mathbf{5}$ | $\mathbf{E}$ | In each row, the dashed smaller shape is moved to take a section out of the edge of the larger shape. |
| $\mathbf{6}$ | $\mathbf{D}$ | Each diagonal of squares moving from top left to bottom right contains matching shapes. |
| $\mathbf{7}$ | $\mathbf{C}$ | The left-hand and right-hand columns are reflected in a vertical line of symmetry and combined in the middle column. |
| $\mathbf{8}$ | $\mathbf{D}$ | In each column, the top shape is reflected in a horizontal line of symmetry and two short lines are replaced with <br> one short line. |
| $\mathbf{9}$ | $\mathbf{B}$ | In each row, the shape is reflected in a vertical line of symmetry and the shading swapped between the two <br> elements that make up the complete shape. |
| $\mathbf{1 0}$ | $\mathbf{C}$ | Each row contains three matching shapes: one small, one medium and one large. |
| $\mathbf{1 1}$ | $\mathbf{A}$ | In each column, the shapes in the top square are resized and rearranged to create the pattern in the bottom <br> square. The small bottom-right shape goes into the middle, the small middle shape surrounds it and then the small <br> top-left shape surrounds both. |
| $\mathbf{1 2}$ | $\mathbf{D}$ | The left and right columns are matching. Each shape in the first row has one line perpendicular to the main arrow <br> line, in the second row it's two lines and in the third row it's three lines. |
| $\mathbf{1 3}$ | $\mathbf{B}$ | Each row and column contain the same three shapes. The shapes in a particular row all 'point' in the same direction. |

## Non-verbal Reasoning: Like Figures (pages 62-64)

| $\mathbf{1}$ | $\mathbf{E}$ | Each shape contains a small black circle that doesn't touch the sides of the outer shape. |
| :--- | :--- | :--- |
| $\mathbf{2}$ | $\mathbf{A}$ | Each shape is divided in half with one half white and the other half shaded in some way. |
| $\mathbf{3}$ | $\mathbf{C}$ | Each overall shape is made up of two identical, overlapping shapes that are in the same orientation. |
| $\mathbf{4}$ | $\mathbf{A}$ | Each shape has two right angles, each marked with a black square. |
| $\mathbf{5}$ | $\mathbf{E}$ | Each shape is made up of lines that cross in exactly three places. |
| $\mathbf{6}$ | $\mathbf{D}$ | Each shape is a hexagon. |
| $\mathbf{7}$ | $\mathbf{B}$ | Each shape is made up of six short lines on the dotted grid with two dots that are not connected to any lines. |
| $\mathbf{8}$ | $\mathbf{B}$ | Each shape is made up of a complete 2 D shape. Inside of it is half of a smaller, similar shape and outside of it is the <br> other half of a larger, similar shape. |
| $\mathbf{9}$ | $\mathbf{C}$ | Each shape has one vertical line of symmetry. |
| $\mathbf{1 0}$ | $\mathbf{D}$ | Each shape has twice the number of black circles inside the square as there are small lines connected to the <br> corners of the outside of the square. |
| $\mathbf{1 1}$ | $\mathbf{B}$ | Each shape has a straight line of three crosses marked by short lines at each end. |
| $\mathbf{1 2}$ | $\mathbf{D}$ | Each shape is shaded so that it is half shaded and half white. |
| $\mathbf{1 3}$ | $\mathbf{E}$ | Inside each outer shape is a small black circle at the top, and underneath is a small version of the outer shape. |

