



11+ preparations



16th August 2020

Topics

- Exam Board
- 11+ Materials
- Online platform
- Comprehension Skills
- Maths
- Non verbal reasoning
- Creative Writing
- Mock exams
- Test Papers and Familiarisation booklet



Exam Board

CEM

- CEM exam papers do not separate subjects by paper. Commonly one paper tests English and verbal reasoning skills, maths and non-verbal reasoning skills. Exam papers are broken into sections which may, for example, move from short maths to non-verbal questions to worded problems.
- Each section is timed
- 50% VR, 30% Maths and 20% NVR.
- VR included Synonyms, Antonyms, Word associations, Odd one out, Cloze, Comprehension.
- Maths (Short maths and Multipart maths)
- Non verbal reasoning (Series, Matrixes, Odd one Out, Similarities, Nets Cube, 3D)

GL

- GL exams are split by subject (English, maths, verbal reasoning and non-verbal reasoning)
- GL exam papers tend to last 45 minutes
- English included comprehension, Grammar & Punctuation
- Maths (Short maths and words Problems)
- VR (codes, hidden words, sequences, reordering, Logic)
- Non verbal reasoning & Spatial reasoning
- Reading Comprehension/Verbal Reasoning/Technical English: 50%
- Maths: 25%
- Non-Verbal Reasoning/Spatial Reasoning: 25%

CSSE, Sutton

- Maths, English and Creative writing

Online Platform


ATOM LEARNING

Bond



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KSOL
Key Stages Online

Comprehension

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11+ ESSENTIAL

ENGLISH ESSENTIALS

COMPREHENSIONS

POETRY

FIRST PAST THE POST



EXAM PAPERS PLUS

16 Inference tests with answers
Created by assessment experts
Covers full examination syllabus
Build confidence and improve performance

PACK 1
ENGLISH
INFERENCE SKILLS

11+

11+ English:
Inference Skills

11 PLUS LIFELINE

11 Plus Lifeline

“The Gold Standard for 11-plus preparation”:
Our leading online resource

RSL 11+ Comprehension: Volume 1

Authentic, challenging papers offer the right preparation for a wide range of school entrance exams.

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A generous number of papers in a single pack.

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of
The Highest Quality

I have not come across anything quite as good as this”

Comprehension

How do improve comprehension skills?

'Read out' the context, no skimming or scanning

When you read out the context (with the mouth opening but silently), you are able to visualize the character's feelings, actions and the environment. This will help you understand more about the context.

Do not memorise the context

This is not a memory test. Always look back in the text to find the 'evidence', everything you need is in the context.

Annotates and underline.

This is the hardest part to get the kid to do it because they find it time-consuming and too much hassle, but this is the most effective way to ensure you don't choose the wrong answer.

Do not be scared of the 'BIG' word

When you come across tricky words, do not be afraid of it. Read the text around it, and it will help you to understand the context.



Comprehension

- It becomes a habit to a child to find the clue from the context for every question.
- It helps the parent to understand what's the problem when the kid's answer is wrong.

Annotation

Numbering

Underline the information/clue/ evidence to help to locate the answer

Penguins only inhabit colonies below the Earth's equator, where there are 17 different species, the Emperor penguin of Antarctica being the largest. The smallest penguin is the Fairy penguin, African penguins inhabit 27 sites along the South African coastline. 2

The Boulders Beach colony on the Cape Town peninsula, near Simon's Town, is the most famous colony of them all.


Boulders Beach derives its name from the groups of large granite boulders that are common in the area, originating from about 540 million years ago when molten granite formed the base of the nearby famous Table Mountain. 3

4 In March 1983 a pair of African penguins were spotted on Boulders Beach and in September 1984 they began to breed. Thereafter, other African penguins began to be attracted to the area. Since then the colony has grown rapidly, increasing initially at about 60% a year. By 1997 there were 2,350 adult birds and today there are estimated to be over 3,000. African penguins are about 60cm in length, and weigh between 2.4 and 3.6 kg. They have a black back and a white belly with a black chin and face patch separated from the crown by a broad white band. They have a narrow black band across the chest and down the flanks towards their legs. 7

8 Although Simon's Town is very proud of its penguins, nearby residents initially suffered as the birds invaded their gardens, destroyed the undergrowth and were generally very noisy and messy. The great increase in tourists has also been a problem. As a result, the area has now been taken over by the Cape Peninsula National Park and the birds have been restrained from wandering inland by the construction of fences and other barriers.

The penguins are tame but do have a nasty bite. They will happily bask in the sun between people lying on the beach. They do not seem to be bothered by all the attention they get, but they do have to themselves.

9 Penguins cannot fly and their comical walk is of great amusement to us human observers. Some would however say that they can fly through water. African penguins are excellent divers,



Common mistakes

Short Comprehension 02 (Non-Fiction Inference)

Please read the passage below and answer the following questions:

1 **1** The Great Fire of London was a major conflagration which started on
2 Sunday 2nd September 1666 and finally burned itself out three days later **1**
3 destroyed many buildings, including homes, shops and churches, the most
4 famous of which was St Paul's Cathedral. However, only six people are known
5 to have lost their lives in the fire. Another disaster in summer of the same year,
6 the Great Plague, killed many more Londoner, around 80,000.

7
8 The fire started on Pudding Lane in the City of London, just north of the
9 Thames in a shop owned by Thomas Farriner, who made his living by making
10 and selling bread. The major firefighting technique of the day was demolition of
11 buildings to prevent the spread of fire, but the Lord Mayor of London was too
12 slow in giving the order to do this, which allowed the fire to spread quickly.
13 Thankfully, it never reached the other side of the river. **4**

14
15 A gold-topped monument
16 Hooke, marks the site of the site. It
17 is 61 metres tall with a viewing
18 nearby tube station, Monument.

This information may be 'forgotten' by the kids if they skim or scan and answer the question by memory

Q1. On which day of the week did the Great Fire burn itself out?

- A. Sunday
- B. Monday
- C. Tuesday
- D. Wednesday

Q4. How many buildings to the south of the river were destroyed?

- A. None
- B. One
- C. Two
- D. Six

Q7. What is not a synonym of 'conflagration'?

- A. Inferno
- B. Holocaust
- C. Vehemence
- D. Blazes

Most of the kids only see the words : 'synonym of 'conflagration', and miss out the most important information : 'NOT'.

40 It would not be proper, for some reasons, to trouble the reader with the particulars of our
41 adventures in those seas; let it suffice to inform him, that in our passage from thence to the East
42 Indies, we were driven by a violent storm to the north-west of Van Diemen's Land. By an
43 observation, we found ourselves in the latitude of 30 degrees 2 minutes south. Twelve of our crew
44 were dead by immoderate labour and ill food; the rest were in a very weak condition. On the 5th of
45 November, which was the beginning of summer in those parts, the weather being hazy, the seamen
46 spied a rock within half a cable's length of the ship; but the wind was so strong, that were driven
47 directly upon it, and immediately split. Six of the crew, of whom I was one, having let down the boat

Clue 1

Where is Van Diemen's land?

Clue 2

Which part of the world is having summer in November?

Q8. What continent is Gulliver near when he is shipwrecked?

- A. Europe
- B. North America
- C. Australia
- D. Asia

General knowledge is required



Comprehension

- Make it fun! Act if you like to!
- Analyse each lines and paragraph

Reading practice : Classic Text

Reading Comprehension – Pollyanna – Old Tom and Nancy (Chapter2)

1 In the little attic room, Nancy swept and *scrubbed* vigorously, paying
2 particular attention to the corners. There were times, indeed, when the vigour
3 she put into her work was more of a relief to her feelings than it was an *ardour*
4 to *efface* dirt – Nancy, in spite of her frightened submission to her mistress, was
5 no saint.

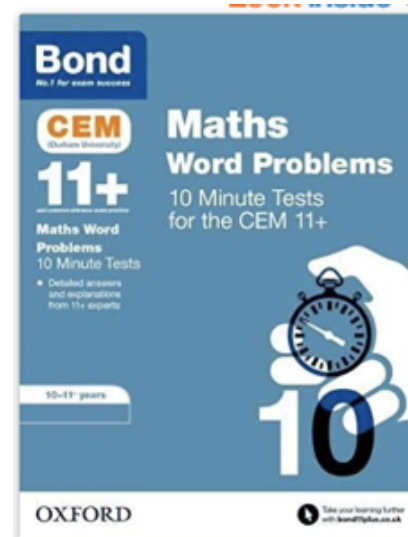
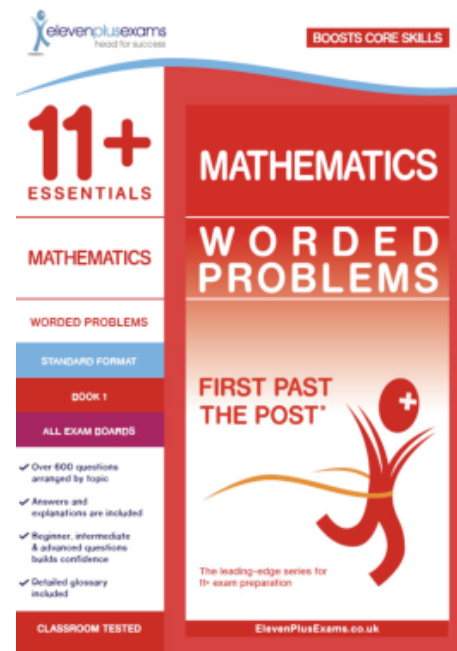
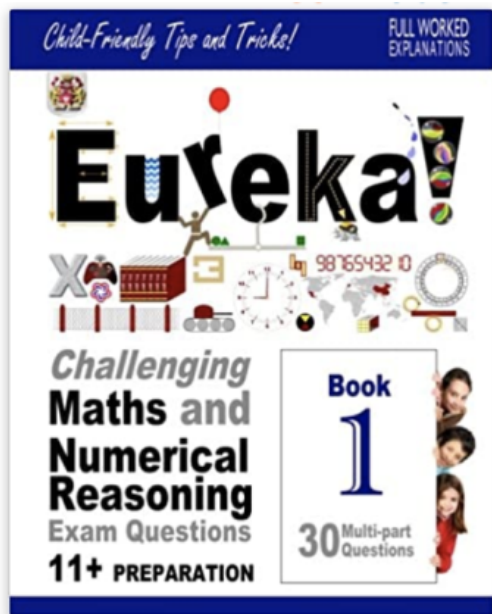
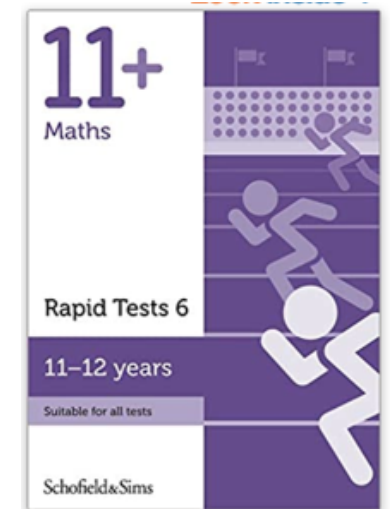
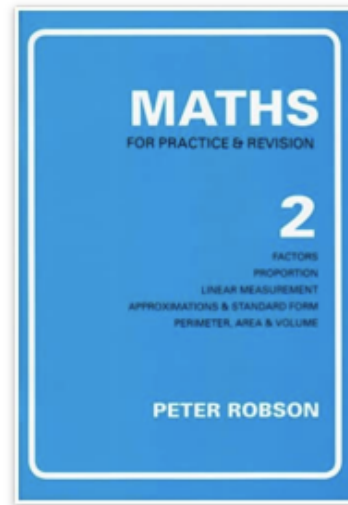
6 “I-just-wish-I-could-dig-out-the corners-of-her-soul!” she muttered
7 *jerkily, punctuating* her words with *murderous* jabs of her pointed cleaning stick.
8 “there’s plenty of them needs cleaning all right, all right! The idea of sticking
9 that blessed child ‘way off up her in this hot little room – with no fire in the
10 winter, too– and all this big house to pick and choose from! Unnecessary
11 children indeed! Hump!” snapped Nancy, wringing her rag so hard her fingers
12 ached from the strain. “I guess it ain’t children what is more unnecessary just
13 now, just now!”

14
15 From some time, she worked in silence; then, her task finished, she
16 looked about the bare little room in plain disgust.

17
18 “Well, it’s done – my part, anyhow,” she sighed. “There ain’t no dirt here
19 – and there’s mighty little else. Poor little soul – a pretty place this to put a
20 *homesick, lonesome* child into!” she finished, going out and closing the door
21 with a bang. “Oh!” she *ejaculated*, biting her lip. Then, *doggedly*. “Well, I don’t
22 care. I hope she did hear the bang – I do, I do!”

Synonyms practice

Maths:



EXAM PAPERS PLUS

Product title: 11+ Mathematics: Long Numerical Reasoning, CEM, Pack 1

Maths

How do you improve your maths accuracy?

- Underline or circle the important information
- Revise the wrong questions
- Work on the weak areas
- Analyse what is the best method to solve the maths problem

97) A water tank is $\frac{3}{5}$ full and has the capacity to hold a further 70 litres of water.
What is the maximum capacity of the tank?

- A 100 litres
- B 160 litres
- C 175 litres ✓
- D 225 litres
- E 150 litres

$$\frac{2}{5}x = 70$$
$$\frac{2}{5}x = 350$$
$$x = 175$$

$$\begin{array}{r} 35 \\ \times 5 \\ \hline 175 \end{array}$$

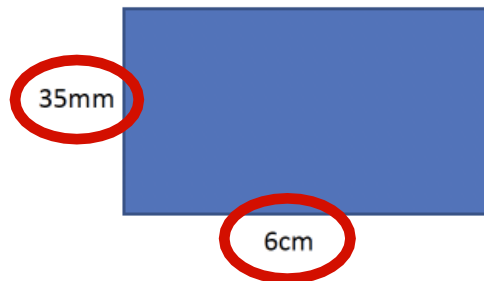
Maths

Common Mistakes

3. Sophie buys a magazine costs £1.65. She hands over nine 5p coins and the rest in 10p coins. How many 10p coins does she give?

| A | B | C | D |
|----|----|---|----|
| 10 | 12 | 9 | 16 |

17. What is the area of this rectangle? [image is not drawn to scale]



| A | B | C | D | E |
|-----------------|------------------|------------------|-----------------|------------------|
| 21cm^2 | 210mm^2 | 310mm^2 | 31cm^2 | 180mm^2 |

| Stop | Train Timings | | | |
|--------------|---------------|-------|-------|-------|
| Slough | 07:32 | 08:02 | 08:33 | 09:07 |
| Langley | 07:38 | 08:08 | 08:39 | 09:13 |
| Iver | 07:49 | 08:19 | 08:50 | 09:24 |
| West Drayton | 08:00 | 08:30 | 09:01 | 09:35 |

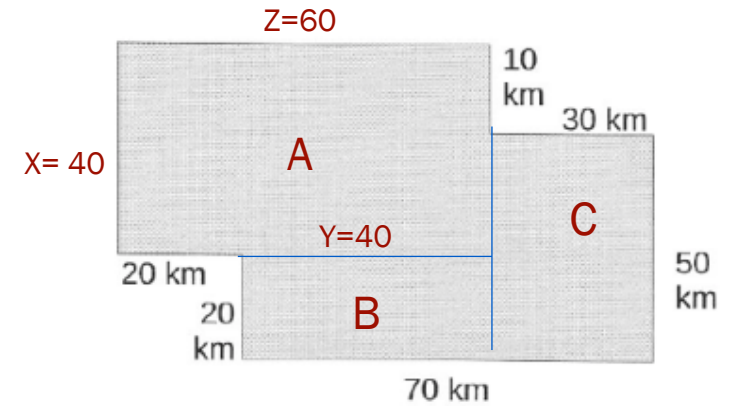
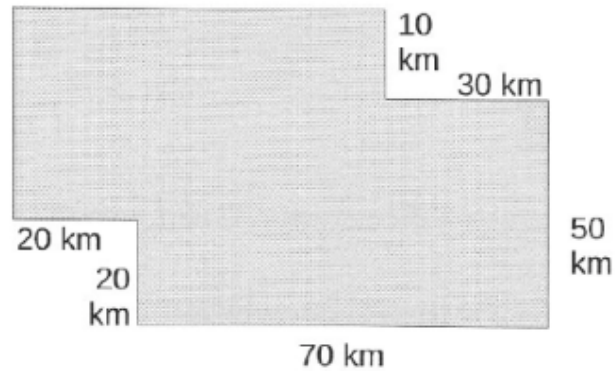
- 24) There are maintenance works on the train line between Langley and West Drayton which cause a 10 minute delay between each stop. If Kim catches the 09:13 train from Langley, what time will she get to West Drayton?

Techniques

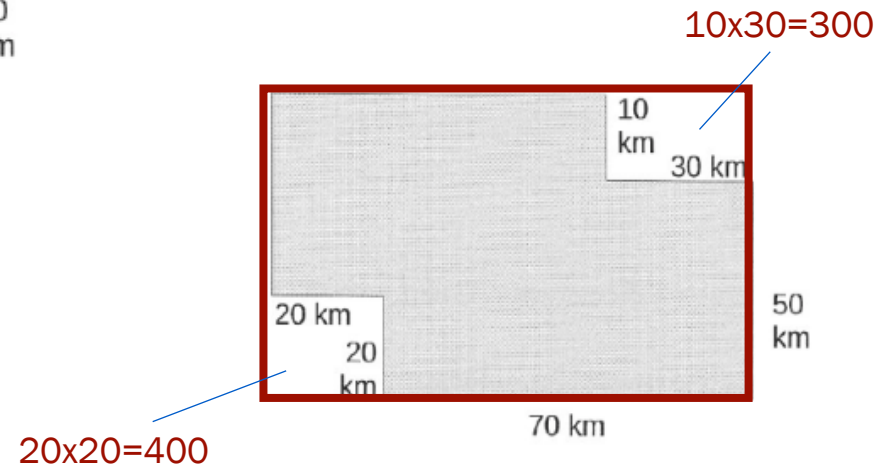
14

(i) Calculate the area of the tiny nation of Kalgoolistan, whose map is shown here.

Answer _____ km²



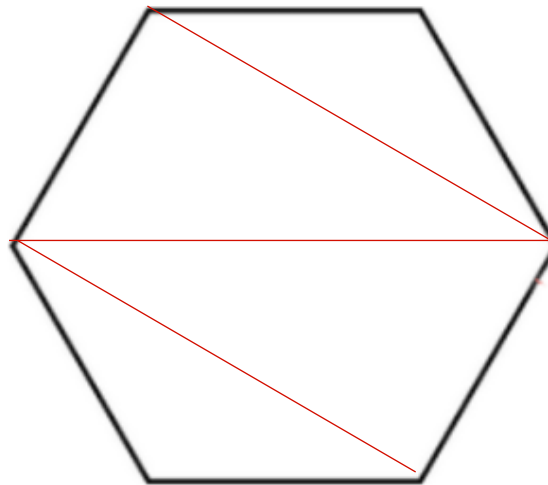
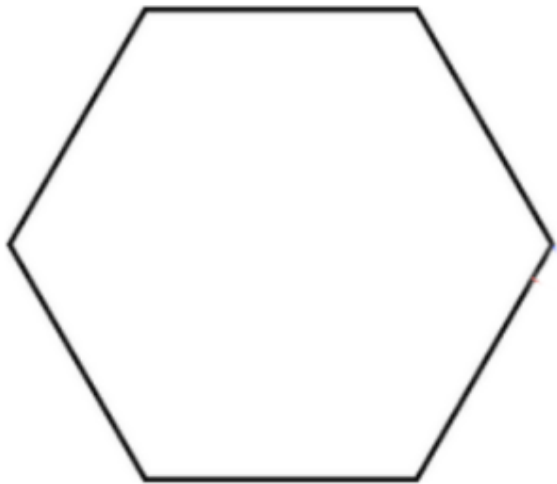
$$\begin{aligned} \text{Area} &= A + B + C \\ &= 2400 + 800 + 1500 \\ &= 4700 \text{ km}^2 \end{aligned}$$



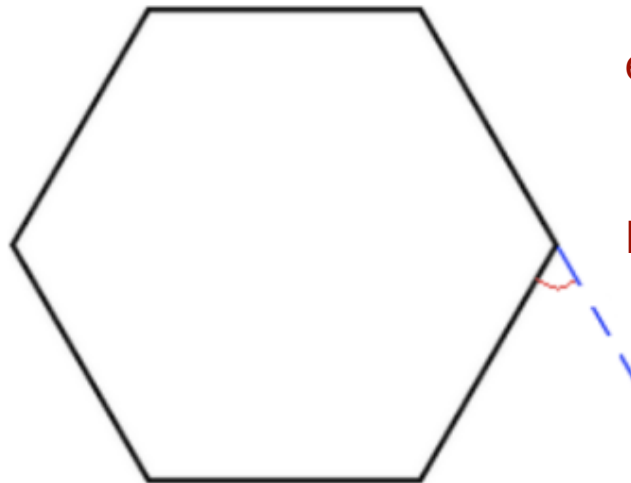
$$\begin{aligned} \text{Area} &= (90 \times 60) - (400 + 300) \\ &= 4700 \text{ km}^2 \end{aligned}$$

Techniques

Please find the interior angle of hexagon.

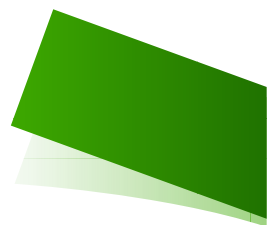


$$\begin{aligned}\text{Interior angles} &= (4 \times 180) / 6 \\ &= 720 / 6 \\ &= 120^\circ\end{aligned}$$



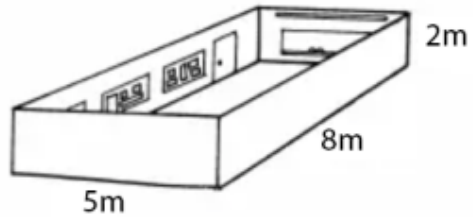
$$\begin{aligned}\text{exterior angles} &= (360 / 6) \\ &= 60^\circ\end{aligned}$$

$$\begin{aligned}\text{Interior} &= 180 - \text{exterior angle} \\ &= 120^\circ\end{aligned}$$



Techniques

A classroom has the dimension shown. Find the area of the four walls.



Method 1 :

$$\begin{aligned}\text{Area of four walls} &= (8 \times 2) + (5 \times 2) + (8 \times 2) + (5 \times 2) \\ &= 16 + 10 + 16 + 10 \\ &= 52 \text{ m}^2\end{aligned}$$

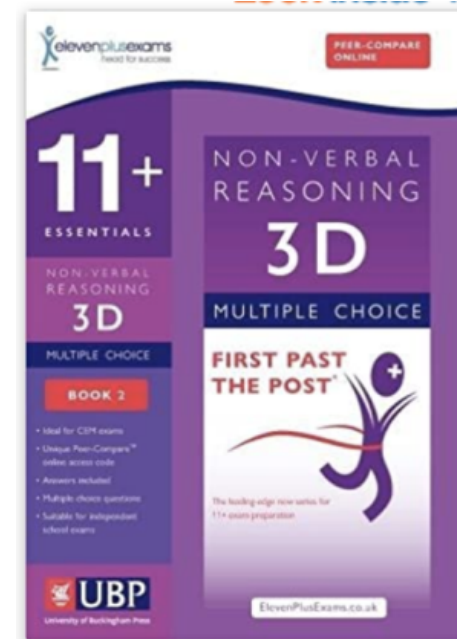
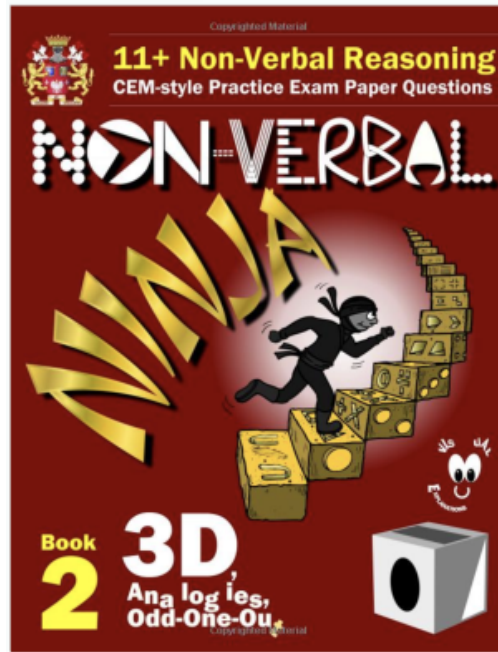
Method 2:

$$\begin{aligned}\text{Area of four walls} &= 2((8 \times 2) + (5 \times 2)) \\ &= 2(16 + 10) \\ &= 52 \text{ m}^2\end{aligned}$$

Method 3:

$$\begin{aligned}\text{Area of four walls} &= \text{lateral surface area} \\ &= \text{perimeter of the base} \times \text{height} \\ &= 2(8 + 5) \times 2 \\ &= 52 \text{ m}^2\end{aligned}$$

Non verbal

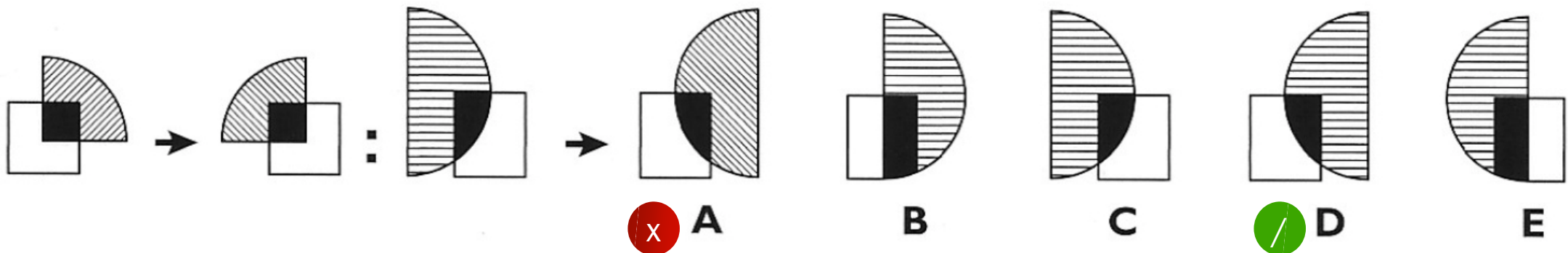


Non verbal Reasoning

Common mistake

- Due to the time constraint, children tend to overlook the details.
- Example : Children always rush when come to easy the question. They are not willing to spend few seconds to analyse the rules/changes but straight away pick an answer. Most careless children will probably choose A.
- Hints: Before you choose A, look at other options (B,C,D,E) if any of them similar to the one you chose, but slightly different in one element? If yes, look back what cause the different, then you might realise you have over look the shading, and the correct answer is D

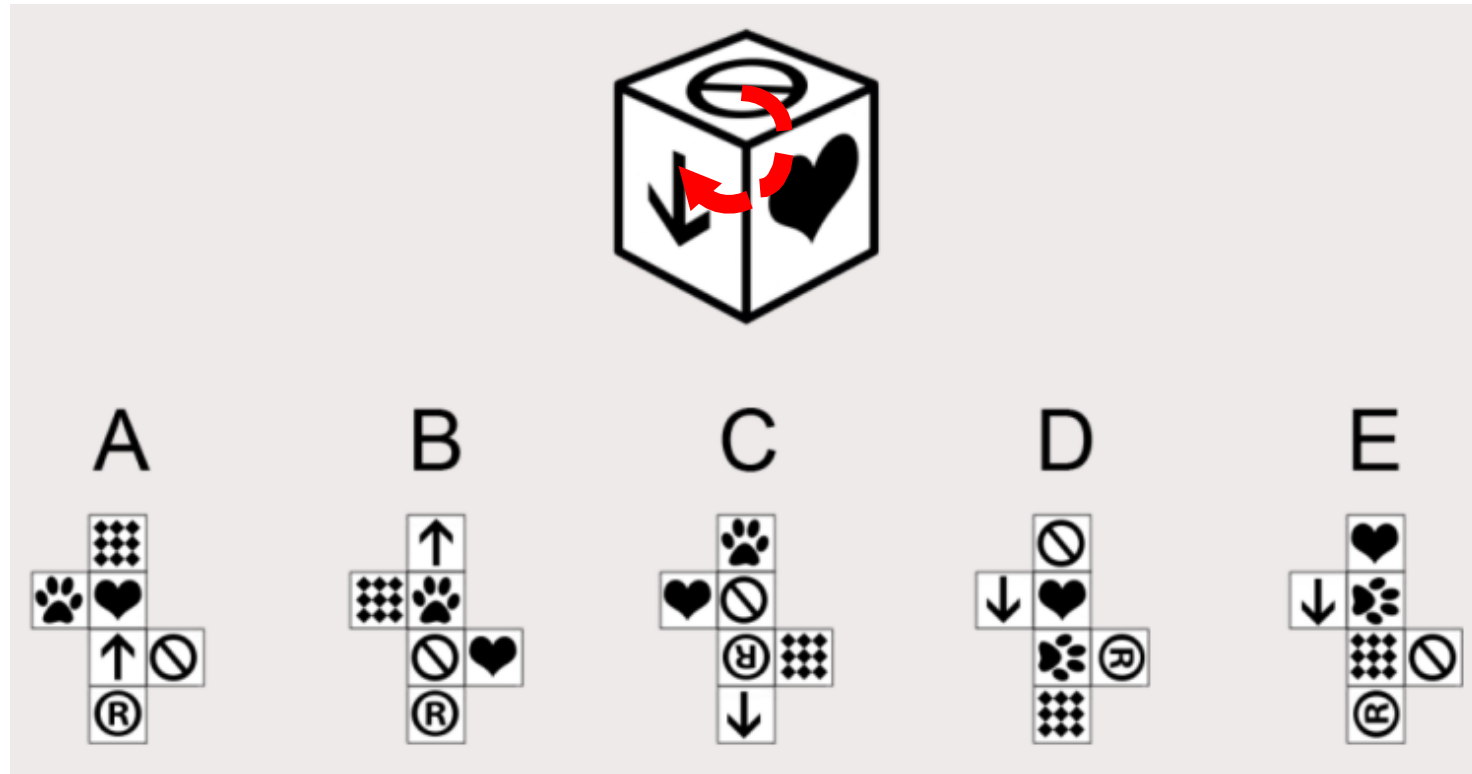
2



Non verbal Reasoning

Net cubes

- Opposite side
- The 'C' – clockwise



Verbal Reasoning

Cloze

- Read the options (the given words) and understand its meaning (if you can) before you start reading the context.
- Analyse the sentence structure: what is missing in the sentence? Look for clues within the context.
- Reading a range of genres helps.

Cloze 01: Mega yachts

| | | | | | |
|----------------|----------------|----------------|-----------|----------|----------------|
| A ⁵ | B ⁸ | C ⁵ | D | E | ³ F |
| powered | culmination | integrated | cruising | prowess | unparalleled |
| ³ G | H | I ⁸ | J | K | L |
| incredibly | keep | consumption | luxurious | allowing | submersible |

The 41-metre-long Ocean Pearl, one of YatchPlus' 'Signature Series' of superyachts, was the _1_ of a design process that took over 15 months by a team of seven architects *under* the stewardship of Lord Norman Foster and the technical _2_ of the Rodriquez shipyard in Italy. The result is an _3_ spacious ocean-going vessel, bigger and more _4_ than many other ³ **Hints: 'an'**

The Ocean Pearl is _5_ ⁵ **Hints: a verb** by twin 1,044kW Caterpillar C32 di ⁸ **Hints: a noun** which allow a top speed of 17.5 knots and a regular _6_ speed of 16 k⁸ at the latter speed _7_ a maximum range of 2,400 nautical miles. Fuel _8_ lies at 127 litres per hour at 12 knots. The hull and superstructure are both built from pure aluminium, allowing _9_ lightness, and the Ocean Pearl's displacement lies at 205 tonnes at full-load.

On board there's a host of luxury amenities and facilities – a bar, saloon, pool, full-beam owner cabin, two VIP cabins and two guest cabins – as well as complex and fully _10_ computation and lighting system. Powering the Pearl are twin 86kW generators, which _11_ the lighting, navigation and communication systems going, as well as its twin CQR anchors, twin 3,100-litre-per-day water makers and a _12_ beach deck.

[Extracted from *How it works Magazine*]

Creative writing

Checklist

- Vocabulary
- Basic and complex sentence
- Short sentence (3-4 words)
- Simile
- Alliteration
- Metaphor
- Onomatopoeia
- Basic and advanced punctuation



Test Papers

11 PLUS LEAP
PAPER 23A

Information about this practice paper:

- The time allowed is given at the start of each section.
- The page number appears at the bottom right corner of each page.
- The title of each section is provided on the top line of each page.
- Answers should be clearly marked in pencil on the answer sheet, in the space provided.
- Use the pages of the test to write your workings out.
- If you make a mistake, rub it out and start your new answer.
- If you are not sure of an answer, choose the one you think would be best, do not leave it blank.

Symbols and phrases used:

Number awareness: You should be confident
Verbal reasoning: You should be confident
Non-verbal reasoning: You should be confident

11Plus leap.co.uk

Papers 23A and 23B

11+ YEAR 5-7
Maths
Numerical Reasoning
CEM Style Practice Papers
Key Stage 2 & 3

TESTPACK **B** PAPERS 1-4
TESTPACK **B** PAPERS 5-8
TESTPACK **B** PAPERS 9-12

ESSENTIAL LEARNING FOR

- SATs above national standard
- Quantitative Reasoning for CATs
- 11+ ICME Tests
- Common Entrance & Scholarship
- Northern Ireland Transfer Tests (Pi-100)

Ages 9-12
ae TUTOR

by Dr Stephen Curran

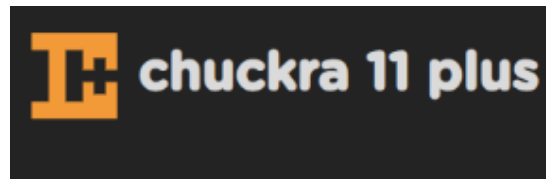
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11+ CEM Practice Test 1

Mock Exams

SGS PTA Mock Tests



Familiarisation Booklet

GL

<https://www.gl-assessment.co.uk/products/11plus-series-11-plus-practice-papers/11plus-familiarisation-materials/>

CEM

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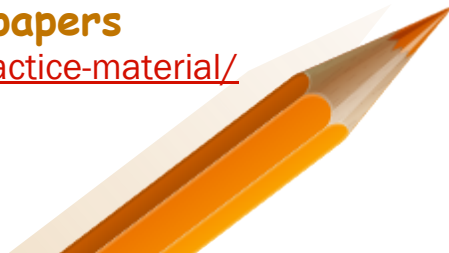
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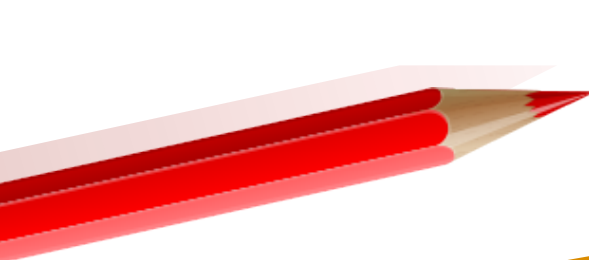
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CSSE past year papers

<https://csse.org.uk/practice-material/>





Good luck!

