



11+ Mixed Practice Paper 1

Original JDScience material. Not an official GL, CEM, CSSE or independent-school paper. Do not copy third-party exam questions.

This paper mixes four 11+ skills. Work through the sections in order if you can. Show working in Maths. For NVR, choose the best figure. Original JDScience questions only.

Suggested time: 45 minutes · **Questions:** 28

SECTION A — MATHS

1. Section A — Maths. Work out 36×9 . [1]
2. A ribbon is 2.4 m long. 85 cm is cut off. How much ribbon is left, in centimetres? [1]
3. Find $\frac{3}{5}$ of 45. [1]
4. The perimeter of a regular pentagon is 40 cm. What is the length of one side? [1]
5. A book costs £7.50. In a sale it is reduced by 20%. What is the sale price? [1]
6. The mean of 6, 10 and 14 is? [1]
7. A clock shows 16:10. What time is this on a 12-hour clock? [1]
8. Round 3.481 to 2 decimal places. [1]

SECTION B — ENGLISH

9. Section B — English. Choose the correctly punctuated sentence.
A) Its a long walk to Riverwell.
B) It's a long walk to Riverwell.
C) Its' a long walk to Riverwell. [1]
10. Give a synonym of brave. [1]
11. Rewrite in the past tense: The ferry crosses the harbour. [1]
12. Which word is an adverb? sudden quickly harbour rusty [1]
13. Choose the correct homophone: The pupils took (there / their / they're) places. [1]
14. Add a comma and an apostrophe: After lunch Nias bag was missing. [1]

SECTION C — VERBAL REASONING

15. Section C — Verbal Reasoning. Find the next letter: D G J M ?

[1]
16. Which word does not belong? oak ash pine rose beech

[1]
17. If the code for FISH is GJTI, what is the code for BIRD?

[1]
18. Find the next number: 4, 9, 16, 25, ?

[1]
19. Hand is to glove as foot is to ?
A) sock B) shoe C) both A and B are possible D) toe

[1]
20. A four-letter word is hidden in: PLEASECOMEHERE
Which word is hidden?
A) come B) here C) both A and B D) leap

[1]
21. If A=1, B=2, C=3 and so on, what is the value of PEN?

[1]
22. Give an antonym of noisy.

[1]

SECTION D — NON-VERBAL REASONING

23. Section D — Non-Verbal Reasoning. Which figure comes next?

Series:

A

B

C

D

[1]
24. Which figure is the odd one out?

Set:

A

B

C

D

[1]
25. Which figure comes next?

Series:

A

B

C

D

[1]
26. Complete the analogy: small circle is to large circle as small square is to ?
is to
as

A

B

C

D

[1]

27. Which figure comes next?

Series:

A

B

C

D

[1]

28. Which figure is the odd one out?

Set:

A

B

C

D

[1]

Answers and short explanations

Check your work only after you have finished. Equivalent wording is accepted where the meaning is the same.

1. **Answer:** 324
Why: $30 \times 9 = 270$ and $6 \times 9 = 54$, $270 + 54 = 324$.
2. **Answer:** 155 cm
Why: $2.4 \text{ m} = 240 \text{ cm}$. $240 - 85 = 155 \text{ cm}$.
3. **Answer:** 27
Why: $45 \div 5 = 9$, then $9 \times 3 = 27$.
4. **Answer:** 8 cm
Why: $40 \div 5 = 8 \text{ cm}$.
5. **Answer:** £6.00
Why: 20% of 7.50 = 1.50. $7.50 - 1.50 = 6.00$.
6. **Answer:** 10
Why: Sum = 30. $30 \div 3 = 10$.
7. **Answer:** 4:10 pm
Why: 16:00 is 4 pm, so 16:10 is 4:10 pm.
8. **Answer:** 3.48
Why: The third decimal digit is 1, so 3.48 stays 3.48.
9. **Answer:** B
Why: It's = it is. Its is possessive. Its' is never correct.
10. **Answer:** courageous / bold / fearless (any sensible)
Why: Brave means showing courage.
11. **Answer:** The ferry crossed the harbour.
Why: Crosses → crossed.
12. **Answer:** quickly
Why: Quickly describes how something is done.
13. **Answer:** their
Why: Their shows that the places belong to the pupils.
14. **Answer:** After lunch, Nia's bag was missing.
Why: Comma after the opening phrase; Nia's is singular possessive.
15. **Answer:** P
Why: Each letter moves three places on.
16. **Answer:** rose
Why: Rose is a flowering plant, not a tree in this woodland list.
17. **Answer:** CJSE
Why: Each letter moves one place forward.
18. **Answer:** 36
Why: Square numbers: 2^2 , 3^2 , 4^2 , 5^2 , then $6^2 = 36$.
19. **Answer:** C
Why: A glove covers a hand; a sock or a shoe can cover a foot.

20. Answer: C

Why: COME and HERE both appear as consecutive letters.

21. Answer: 35

Why: P=16, E=5, N=14. $16+5+14=35$.

22. Answer: quiet / silent / peaceful

Why: Noisy means making a lot of sound.

23. Answer: B

Why: Dots increase by 2: 1, 3, 5, then 7.

24. Answer: D

Why: Three figures are solid geometric outlines. The two bars are different.

25. Answer: A

Why: The arrow turns 90° clockwise: down, left, up, then right.

26. Answer: B

Why: The second figure is a larger version of the first.

27. Answer: B

Why: One extra bar each time: next is 4.

28. Answer: C

Why: Three figures are plus signs. The circle is the odd one out.