



11+ Mixed Practice Paper 3 — Answers

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These answers belong with JDScience 11+ Mixed Practice Paper 3. Equivalent wording is accepted in English. For NVR, match the option letter.

Suggested time: Mark after the timed paper · **Answers:** 24 answers

Answers and short explanations

Use this booklet only after finishing the matching practice paper. Equivalent wording is accepted where the meaning is the same.

- Section A — Maths. Work out 29×6 .
Answer: 174
Why: $20 \times 6 = 120$ and $9 \times 6 = 54$. $120 + 54 = 174$.
- Find $\frac{2}{3}$ of 27.
Answer: 18
Why: $27 \div 3 = 9$, then $9 \times 2 = 18$.
- A bottle holds 1.2 litres. 350 ml is poured out. How many millilitres are left?
Answer: 850 ml
Why: $1.2 \text{ l} = 1200 \text{ ml}$. $1200 - 350 = 850 \text{ ml}$.
- Simplify the ratio 16 : 24.
Answer: 2 : 3
Why: Divide both parts by 8.
- The mean of 5, 7 and 12 is?
Answer: 8
Why: Sum = 24. $24 \div 3 = 8$.
- A square has perimeter 36 cm. What is its area?
Answer: 81 cm^2
Why: One side is $36 \div 4 = 9 \text{ cm}$. Area = $9 \times 9 = 81 \text{ cm}^2$.
- Section B — English. Choose the correctly punctuated sentence. A) The hatch wouldnt shut, its wood was damp. B) The hatch wouldn't shut; its wood was damp. C...
Answer: B
Why: Wouldn't = would not. Its is possessive. A semicolon (or a full stop) joins two complete ideas.
- Give a synonym of notice (as a verb, meaning to observe).
Answer: see / spot / observe / detect
Why: In the passage sense, notice means to observe.
- Rewrite in the future tense: Ama checks the vane at three o'clock.
Answer: Ama will check the vane at three o'clock. (Accept Ama is going to check...)
Why: Add will (or going to) and the base verb check.

10. Which word is a preposition? canal beside pale write
Answer: beside
Why: Beside shows position.
11. Choose the correct spelling: neccessary / necessary / necesary
Answer: necessary
Why: One c, two s: necessary.
12. Improve the sentence: The sky was nice and the roof was nice.
Answer: Accept any precise rewrite, e.g. The sky was pale and the roof was quiet / wide / still.
Why: Replace nice with specific adjectives.
13. Section C — Verbal Reasoning. Find the next letter: F J N R ?
Answer: V
Why: Each letter moves four places on.
14. Which word does not belong? flute harp novel drum cello
Answer: novel
Why: Novel is a book; the others are instruments.
15. If the code for HOPE is IPQF, what is the code for REST?
Answer: SFTU
Why: Each letter moves one place forward.
16. A=1, B=2, C=3 and so on. What is the value of SUN?
Answer: 54
Why: S=19, U=21, N=14. $19+21+14=54$.
17. Hand is to glove as head is to ? A) hat B) hair C) neck D) eye
Answer: A) hat
Why: A glove covers a hand; a hat covers a head.
18. Which pair makes a real compound word? 1 foot 2 ball 3 desk 4 lamp A) 3+4 B) 1+2 C) 2+3 D) 1+4
Answer: B) 1+2
Why: foot + ball = football.
19. Section D — Non-Verbal Reasoning. Which figure comes next?
Answer: B
Why: The number of dots doubles: 1, 2, 4, then 8.
20. Which figure is the odd one out?
Answer: C
Why: Three figures are hexagons. The plus is the odd one out.
21. Which figure comes next?
Answer: A
Why: The chevron turns 90° clockwise: up, right, down, then left.
22. Complete the analogy: empty circle is to solid circle as empty square is to ?
Answer: B
Why: The outline stays the same and the fill becomes solid.
23. Which net can fold to a cube?
Answer: B
Why: The cross of six squares is a valid cube net. A 2-by-3 block is not.

24. Which figure comes next?

Answer: B

Why: The L turns 90° clockwise, so the next rotation is 270°.

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