

Revision

GRE · GRE · GRE General Test

Original transfer practice for the current shorter GRE General. No adaptive routing or official score conversion is simulated.

gre general · mixed-revision · 1

Compare Quantity A: x^2 with Quantity B: x , where $0 < x < 1$.

Worked answer

B is greater because multiplying a positive number below 1 by itself makes it smaller.

gre general · mixed-revision · 2

Of 250 applicants, 40% take a course; 30% of those pass a distinction threshold. How many do so?

Worked answer

$250 \times 0.4 \times 0.3 = 30$. The 30% is conditional on course takers.

gre general · mixed-revision · 3

Write a thesis and counterexample plan for the original claim: Every useful university course should teach only immediately employable skills.

Worked answer

A defensible thesis may reject “only”: immediate skills matter, but theory, critical reasoning and foundational research can have delayed value. Explain one concrete mechanism and address the employment pressure rather than merely listing opinions.

gre general · mixed-revision · depth-6

“Although the device looked (i) _____, its first use was (ii) _____; even novices operated it without help.” i: formidable / simple / familiar. ii: intuitive / laborious / erratic. Complete both blanks and identify two cues.

Worked answer

Formidable / intuitive. Although signals contrast and novice independence supports ease rather than difficulty.

gre general • mixed-revision • depth-7

“Despite repeated attempts to verify it, the claim remained ____.” Select exactly two: unsubstantiated / celebrated / unsupported / proven / concise / ancient. Explain equivalence.

Worked answer

Unsubstantiated and unsupported both convey lack of established evidence. Celebrated concerns reception; concise and ancient do not supply the required evidential status.

gre general • mixed-revision • depth-8

[1] Replacing labels coincided with fewer visitor questions. [2] The guide also began greeting visitors at the entrance. [3] The two simultaneous changes prevent attributing the reduction solely to labels. Select the sentence giving the causal limit, and two supported observations.

Worked answer

Sentence 3 gives the limit. Fewer questions and a new greeting practice are supported. Do not infer that labels had no effect.

gre general • mixed-revision • depth-9

A supplier credits its new packaging for fewer breakages, but deliveries also switched to a shorter route. State the alternative cause and evidence that would help isolate packaging.

Worked answer

The route may account for fewer breakages. Compare packaging types on comparable routes/handling conditions, ideally allocated without baseline confounds; popularity of packaging is irrelevant.

gre general • mixed-revision • depth-10

Select all positive solutions of $x^2 - 4 = 0$ from $-2, -1, 0, 1, 2$. Enter the probability of four equally likely marked outcomes among sixteen as a decimal.

Worked answer

Only 2 meets positivity. Probability $4/16 = 0.25$, not percent 25.

gre general · mixed-revision · depth-11

Find LCM of 8 and 12. A price 120 rises 25% then falls 20%; calculate final price. If $n=4k+3$, find remainder of $n+6$ on division by 4.

Worked answer

LCM 24; price $120 \cdot 1.25 \cdot 0.8=120$; $n+6=4(k+2)+1$, remainder 1. Equal final price here follows reciprocal factors, not equal percentage changes.

gre general · mixed-revision · depth-12

Solve $\sqrt{x+12}=x$ and $(x-2)(x-7)\leq 0$. For $f(x)=2x+1$ and $g(x)=x-4$, find $g(f(3))$.

Worked answer

Candidates 4 and -3 ; only 4. Inequality $2\leq x\leq 7$. $f(3)=7$ then $g(7)=3$.

gre general · mixed-revision · depth-13

Find distance and midpoint between $(1,-2)$ and $(7,6)$. Similar plane figures have area ratio 25:4; find corresponding length ratio.

Worked answer

Distance 10; midpoint $(4,2)$. Length ratio 5:2, square root of area ratio.

gre general · mixed-revision · depth-14

Groups of 6 with mean 4 and 14 with mean 9 combine to what mean? Of twelve counters, five are marked and three of the marked are red. Find $P(\text{red given marked})$.

Worked answer

Combined mean $= (24+126)/20=7.5$. Conditional probability $3/5$; denominator is marked counters, not twelve.

gre general · mixed-revision · issue-statement

Public revision prompt: “Learning a practical skill always requires working with another person.” Discuss your position and circumstances in which the statement might or might not hold.

Worked answer

A developed response may recognise feedback and joint practice while explaining solitary skills practice. Analyse the mechanism and conditions rather than merely listing hobbies.

gre general • mixed-revision • issue-recommendation

Public revision prompt: “Universities should make every first-year course a broad survey.” Discuss circumstances in which this recommendation is or is not advantageous.

Worked answer

Explain breadth’s orientation value and circumstances needing sustained depth; connect the examples to a qualified judgement.

gre general • mixed-revision • issue-challenge

Public revision prompt: “Every useful archive should publish all its material without restriction.” Develop your position and address the most compelling challenge to it.

Worked answer

A defensible response can consider access benefits and privacy/provenance constraints, with a serious challenge explained and answered. Any reasoned stance is acceptable.

gre general • mixed-revision • issue-two-views

Public revision prompt: View A: a public workshop should teach one common project to all newcomers. View B: newcomers should choose their own project immediately. Explain which view aligns more closely with yours, addressing both.

Worked answer

Compare common foundations and motivation with mechanisms and conditions. A qualified synthesis is acceptable, but both views need analysis.

gre general • mixed-revision • issue-claim-reason

Public revision prompt: Claim: all group projects should receive one shared grade. Reason: group work always distributes effort equally. Evaluate both the claim and its reason.

Worked answer

Separate collective outcomes from unequal contribution; explain whether and how an assessment policy could account for both. Agreement with shared grading does not establish equality of effort.

gre general · mixed-revision · issue-consequences

Public revision prompt: A learning centre proposes allowing equipment reservations only one day in advance. Analyse likely consequences and explain how they shape your judgement.

Worked answer

Consider spontaneous access, planning needs, cancellation and fairness with an explained mechanism. Do not assume one booking rule suits every equipment type.