ETS Official GRE Quantitative Reasoning Practice Questions

Section: GRE General Test Exams • **Total Questions:** 10 • **Format:** Verified Q&A

1. Four pieces of paper numbered consecutively from 9 to 12, inclusive, with one integer on each piece of paper, are put into a hat. If two pieces of paper are to be chosen at random and without replacement from the hat, what is the probability that the sum of the integers on the chosen pieces of paper will be 21?

(A) 01-Jun
(B) 01-May
(C) 01-Mar
(D) 02-May
(E) 01-Feb

2. The passage is structured to lead to which of the following as a conclusion about how merpeople are represented?

> *The growing participation of diverse people in mermaiding [the practice of wearing a costume mermaid tail] has blurred lines of normative heterosexuality, race, and physical difference. Yet gender still defines representations of merpeople in obvious ways. Merpeople are generally gendered as female, with mermen under-represented in commercial and artistic circles. But there are small changes under way, and major companies are beginning to appreciate mermen as tangible counterparts to mermaids. In 2018, for example, an established toy company finally released a merman doll as part of their line of mermaid dolls. However, while the mermaid dolls represented a variety of skin colors and body sizes, their male counterpart was only available as a slim, white merman with platinum blond hair, blue eyes, and six-pack abs.*

(A) Differences in the ways that mermaids and mermen are represented are likely to become more pronounced as mermaiding becomes increasingly popular.
(B) Ultimately, the responsibility for increasing the visibility of mermen lies with individual artists rather than with toy companies.
(C) Paradoxically, depictions of merpeople are becoming more narrowly traditional as increasingly diverse individuals are drawn to mermaiding.
(D) Even if more men were to participate in mermaiding, it is unlikely that depictions of mermen in commercial and artistic circles would become more diverse.
(E) Although toy companies are making progress toward diversifying their depictions of merpeople, their offerings are still constrained by gender and racial conventions.

3. PQRS is a rectangle. Quantity A: z, Quantity B: y + 90

(A) Quantity A is greater.

(B) Quantity B is greater.

(C) The two quantities are equal.

(D) The relationship cannot be determined from the information given.

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4. The amount of sediment carried by a river accurately indicates the amount of soil eroding from that river's drainage basin. Fact 1: The Huang carries much more sediment annually than the Ganges. Conclusion: The rate of erosion per unit surface area is greater in the Huang's basin than in the Ganges'. Which additional fact, if true, allows the conclusion to be properly drawn?

(A) Certain soil-conservation measures successful in the Huang basin have never been tried in the Ganges basin.

(B) Many farming practices improve short-term productivity but increase erosion.

(C) More logging has recently been done along the Huang.

(D) The Huang's drainage basin covers a smaller surface area than the Ganges'.

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5. While Buddhist master Yingyang (1861-1940) considered Chinese traditions and Buddhist scriptures sufficient justification for promulgating vegetarianism, he was _____ arguments from a health perspective, acknowledging various ailments associated with meat consumption.

(A) wary of

(B) circumspect about

(C) receptive to

(D) disconcerted by

(E) ardent about

(F) amenable to

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6. A charity raises money: Company gives $3 per $1 up to $9,000 and $1 per $1 thereafter. How much must the charity raise to reach $65,000 total?

(A) $38

(C) $40

(E) $42

(G) $49

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7. James and Ellie are two of 32 people standing in a line for movie tickets. There are 12 people, including Ellie, behind James, and there are 4 people between James and Ellie. How many people are in front of Ellie in the line?

(A) 16
(B) 20
(C) 22
(D) 23
(E) 24

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8. Triangle ABC is inscribed in the circle centered at O. Quantity A: Five × the area of triangular region ABC. Quantity B: The area of the circular region.

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.
(D) The relationship cannot be determined from the information given.

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9. Triangle ABC is inscribed in the circle centered at O. Quantity A: Five × the area of triangular region ABC Quantity B: The area of the circular region

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.
(D) The relationship cannot be determined from the information given.

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10. In the figure shown, the area of the circular region is approximately 50 percent of the area of the shaded region. The area of the rectangular region is approximately what percent of the area of the circular region?

(A) 33%
(B) 75%
(C) 100%
(D) 150%
(E) 300%
