



ASVAB-SECTION-6^{Q&As}

ASVAB Section Six : Mathematics Knowledge

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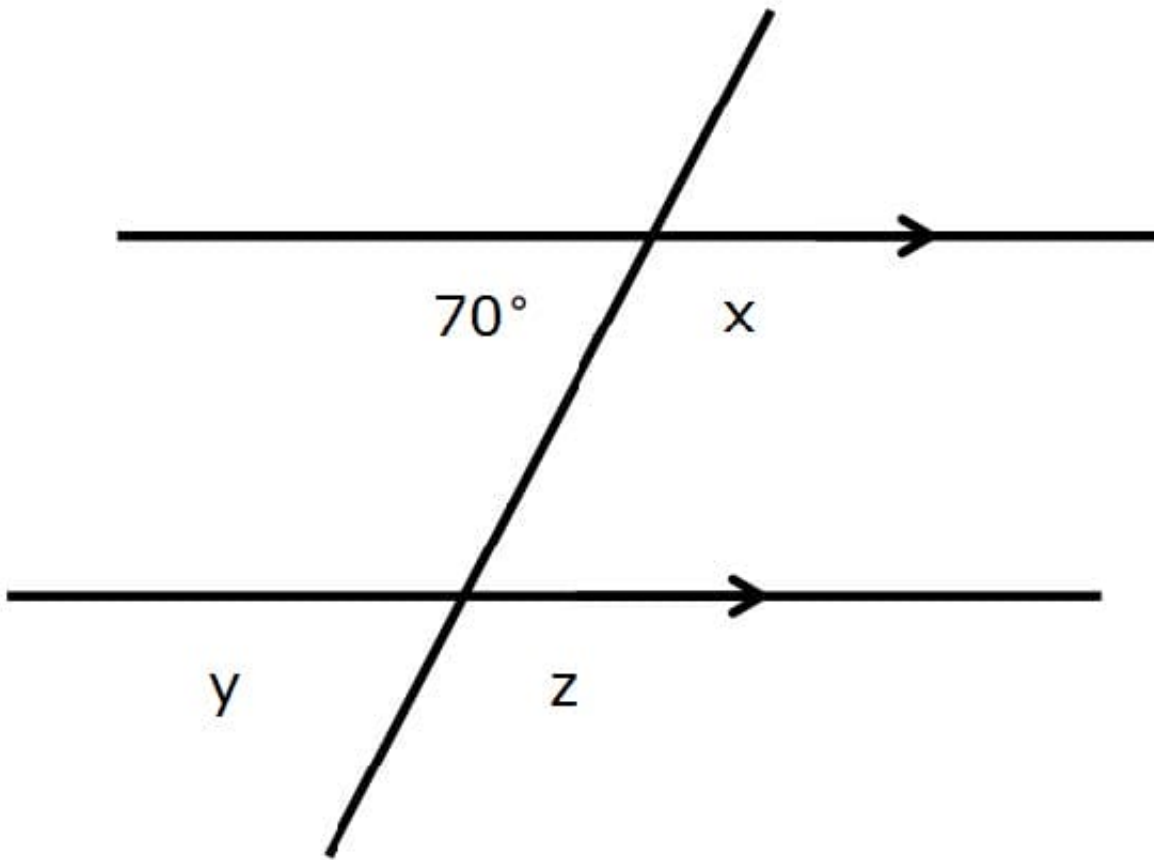
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QUESTION 1



In the diagram of parallel lines provided, what is the measure of angle z?

- A. 180°
- B. 90°
- C. 110°
- D. 70°

Correct Answer: C

QUESTION 2

Which of the following fractions is the largest?

- A. $\frac{2}{5}$
- B. $\frac{3}{8}$
- C. $\frac{7}{10}$



D. $13\frac{1}{16}$

Correct Answer: D

Explanation:

Find a common denominator for the fractions. In this case, 80 work for all the fractions.

Convert all the fractions: $2\frac{3}{5} = 32\frac{48}{80}$; $3\frac{3}{8} = 30\frac{30}{80}$; $7\frac{1}{10} = 56\frac{8}{80}$; and $13\frac{1}{16} = 65\frac{5}{80}$.

Comparing the fractions, you can see that $13\frac{1}{16}$ ($65\frac{5}{80}$) is the largest fraction.

QUESTION 3

$(x + 3)(x + 5) = \underline{\hspace{2cm}}$.

A. $x^2 + 16x + 8$

B. $x^2 + 16x + 15$

C. $x^2 + 8x + 15$

D. $x^2 + 8x + 8$

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

Explanation:

Use the FOIL method (First, Outside, Inside, Last) to solve.

$$x^2 + 3x + 5x + 3 \times 5$$

QUESTION 4

If a circle has a radius of 18 feet, what is its circumference (to the nearest whole foot)?

A. 36 feet

B. 113 feet



C. 54 feet

D. 108 feet

Correct Answer: B

QUESTION 5

$(675 \times 3)/5 = \underline{\hspace{2cm}}$.

A. 400

B. 40

C. 200

D. 405

Correct Answer: D

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