

# SAT2-MATHEMATICS<sup>Q&As</sup>

SAT Section 2: Mathematics

## Pass Test Prep SAT2-MATHEMATICS Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.pass2lead.com/sat2-mathematics.html>

100% Passing Guarantee  
100% Money Back Assurance

Following Questions and Answers are all new published by Test Prep  
Official Exam Center

-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers



**QUESTION 1**

Gil drives five times farther in 40 minutes than Warrick drives in 30 minutes. If Gil drives 45 miles per hour, how fast does Warrick drive?

- A. 6 mph
- B. 9 mph
- C. 12 mph
- D. 15 mph
- E. 30 mph

Correct Answer: C

If  $d$  is the distance Warrick drives and  $s$  is the speed Warrick drives, then  $30s = d$ . Gil drives five times farther,  $5d$ , in 40 minutes, traveling 45 miles per hour:  $5d = (40)(45)$ . Substitute the value of  $d$  in terms of  $s$  into the second equation and solve for  $s$ , Warrick's speed:  $5(30s) = (40)(45)$ ,  $150s = 1,800$ ,  $s = 12$ . Warrick drives 12 mph.

**QUESTION 2**

The expression  $4x^2 - 2x + 3$  is equal to 3 when  $x = 0$  and when  $x =$

- A.  $\frac{-1}{2}$
- B.  $\frac{-1}{4}$
- C.  $\frac{1}{8}$
- D.  $\frac{1}{4}$
- E.  $\frac{1}{2}$

A. Option A

B. Option B

C. Option C

D. Option D

E. Option E

Correct Answer: E

Set the expression  $4x^2 - 2x + 3$  equal to 3 and solve for x:

$$4x^2 - 2x + 3 = 3$$

$$4x^2 - 2x + 3 - 3 = 3 - 3$$

$$4x^2 - 2x = 0$$

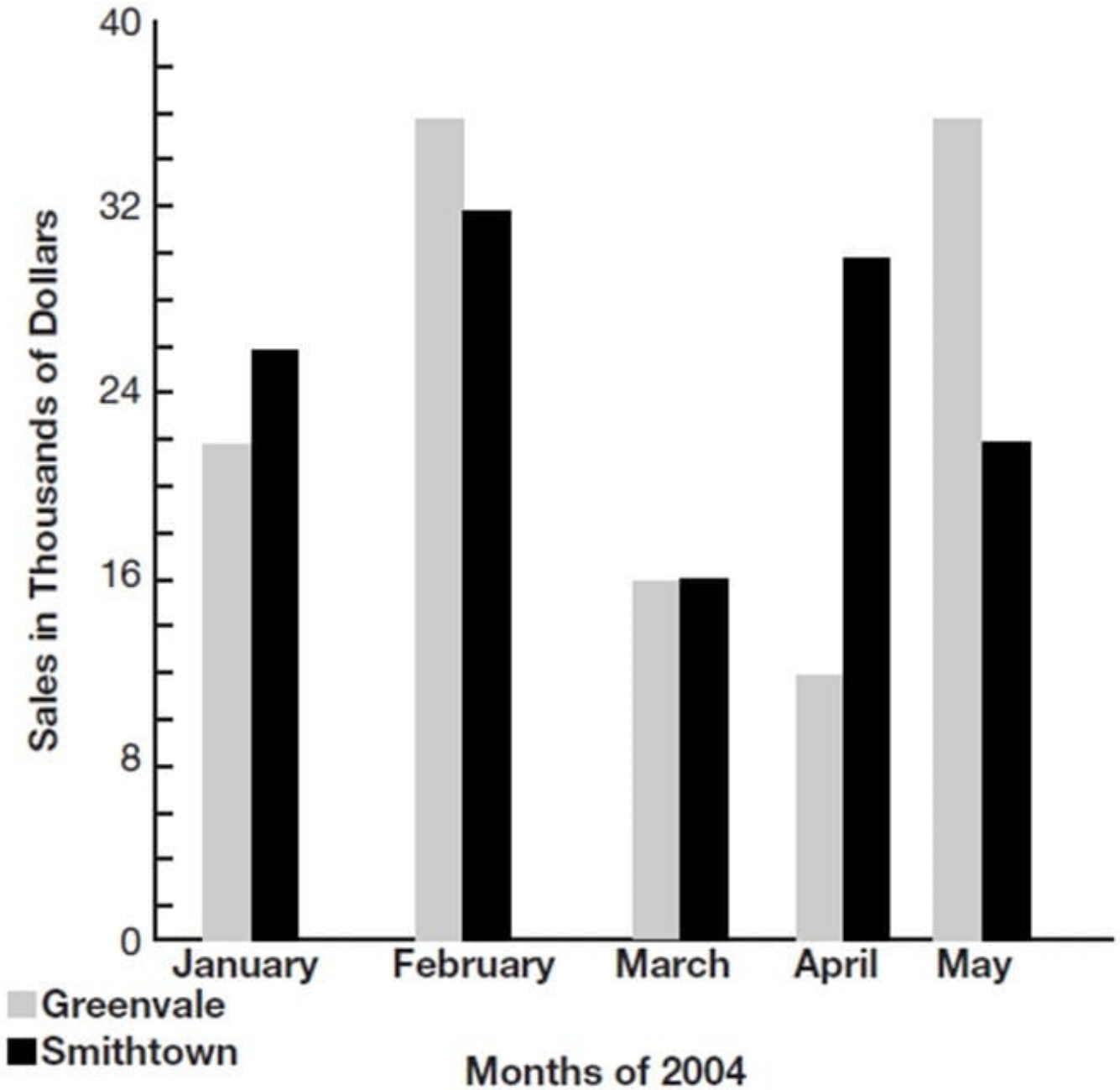
$$4x \left( x - \frac{1}{2} \right) = 0$$

$$x = 0, \quad x = \frac{1}{2}$$

---

### QUESTION 3

SIMULATION Sales of the Greenvale and Smithtown Branches of SuperBooks



The graph above shows the sales by month for the Greenvale and Smithtown branches of SuperBooks. From January through May, how much more money did the Smithtown branch gross in sales than the Greenvale branch?

A. 4000

Correct Answer: A

The Greenvale sales, represented by the light bars, for the months of January through May respectively were \$22,000, \$36,000, \$16,000, \$12,000, and \$36,000, for a total of \$122,000. The Smithtown sales, represented by the dark bars, for the months of January through May respectively were \$26,000, \$32,000, \$16,000, \$30,000, and \$22,000, for a total of \$126,000. The Smithtown branch grossed

\$126,000 ?\$122,000 = \$4,000 more than the Greenvale branch.

**QUESTION 4**

$$\frac{5}{16} < x < \frac{9}{20}$$

A.  $\frac{1}{3}$

B.  $\frac{2}{5}$

C.  $\frac{3}{8}$

D.  $\frac{3}{7}$

E.  $\frac{4}{9}$

If 0.34

A. Option A

B. Option B

C. Option C

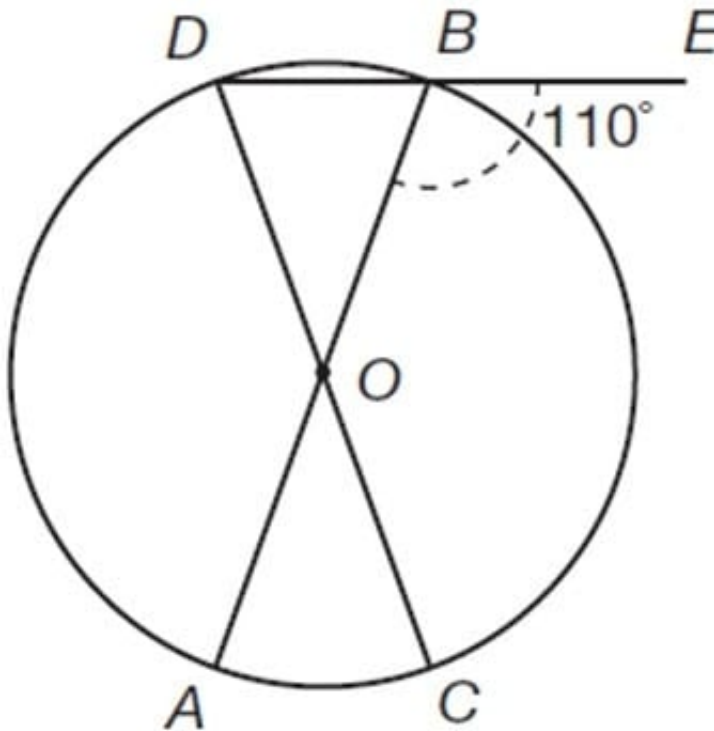
D. Option D

E. Option E

Correct Answer: C

$\frac{5}{16} = 0.3125$  and  $\frac{9}{20} = 0.45$ ;  $\frac{3}{8} = 0.375$  which is between 0.34 and 0.40, and between 0.3125 and 0.45.

QUESTION 5



In the diagram above, if angle OBE measures 110 degrees, what is the measure of arc AC?

- A. 20 degrees
- B. 40 degrees
- C. 55 degrees
- D. 80 degrees
- E. cannot be determined

Correct Answer: B

Explanation:

Angles OBE and DBO form a line. Since there are 180 degrees in a line, the measure of angle DBO is  $180 - 110 = 70$  degrees. OB and DO are radii, which makes triangle DBO isosceles, and angles ODB and DBO congruent. Since DBO is 70 degrees, ODB is also 70 degrees, and DOB is  $180 - (70 + 70) = 180 - 140 = 40$  degrees. Angles DOB and AOC are vertical angles, so the measure of angle AOC is also 40 degrees. Angle AOC is a central angle, so its intercepted arc, AC, also measures 40 degrees.

[SAT2-MATHEMATICS  
Dumps](#)

[Dumps](#)

[Braindumps](#)