# PRAKTIS PROGRESIF 5

**Bab 1 - 13**

## BAHAGIAN A / SECTION A

**Jawab semua soalan.**
*Answer all questions.*

1 Cari jumlah $6f - 2h$ dan $19h + 3f$.
*Find the sum of $6f - 2h$ and $19h + 3f$*

A $9f + 17h$
B $9f - 21h$
C $4f + 22h$
D $4f - 22h$

2 Cari GSTK bagi 10, 15 dan 25.
*Find the LCM of 10, 15 and 25.*

A 200
B 175
C 125
D 150

3 FSTB bagi 5 dan 20 ialah
*The HCF of 5 and 20 is*

A 2
B 5
C 7
D 8

4 $\left(-\frac{2}{7}\right)^2 =$

A $-\frac{4}{49}$
B $\frac{2}{49}$
C $\frac{4}{49}$
D $1\frac{2}{7}$

5 Terdapat RM480 kesemuanya. Zul dan abangnya berkongsi duit itu mengikut nisbah 3 : 7. Berapakah Zul dapat?
*There are altogether RM480. Zul and his brother share the money in the ratio 3 : 7. How much does Zul get?*

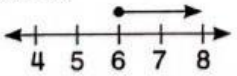
A RM144
B RM194
C RM216
D RM336

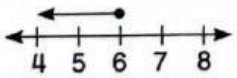
6 Selesaikan ketaksamaan linear serentak.
*Solve the simultaneous linear inequalities.*

$x \leq -2$ dan $x > -4$
$x \leq -2$ *and* $x > -4$

A $-4 < x \leq -2$
B $-4 \leq x < -2$
C $x \leq -2$
D $-4 > x > -2$

7 Antara berikut, yang manakah mewakili garis nombor bagi $x$ jika $3x \geq 6$?
*Which of the following represents the number line for $x$ if $3x \geq 6$?*

A 


B 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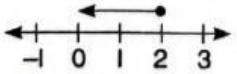
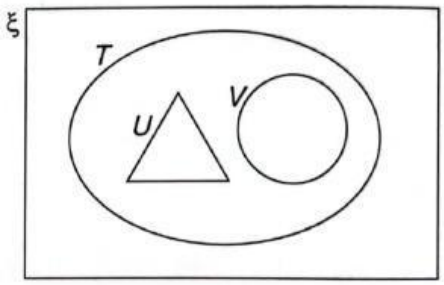
D 

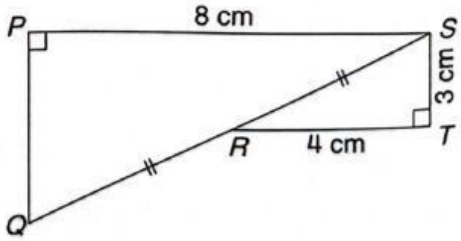

8 Antara set berikut, yang manakah merupakan set semesta bagi {3, 7, 9}?
*Which of following set is the universal set of {3, 7, 9}?*

A {nombor perdana}
*{prime numbers}*
B $\{x : x$ ialah integer positif dan $x \geq 3\}$
$\{x : x$ *is a positive integer and* $x \geq 3\}$
C {gandaan bagi 3}
*{multiple of 3}*
D $\{x : x$ ialah nombor genap dan $x \leq 10\}$
$\{x : x$ *is an even number and* $x \leq 10\}$

9 


Berdasarkan gambar rajah Venn di atas, hubungan yang manakah **betul**?
*Based on the Venn diagram above, which relationship is **correct**?*

A $U \subset V$
B $V \subset U$
C $V \subset T$
D $T \subset U$

10 

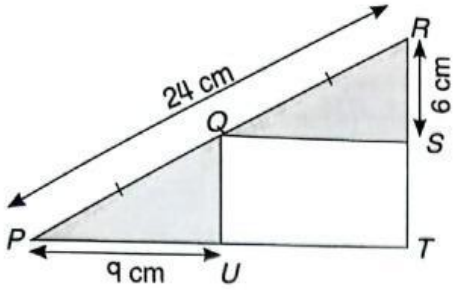

Cari panjang $PQ$.
*Find the length of $PQ$.*

A 5 cm
B 12 cm
C 9 cm
D 6 cm

11 $-3a^2 =$

A $-3 \times a \times -a \times a$
B $3 \times a^2 \times -a$
C $-3 \times a \times a$
D $-3a \times a \times a$

12




Dalam rajah, *QSTU* ialah segi empat tepat dan garis *PQ* = *QR*. Hitung perimeter kawasan berlorek.
*In the diagram, QSTU is a rectangle and line PQ = QR. Calculate the perimeter of the shaded region.*

**A** 57.33 cm **C** 56.32 cm
**B** 54 cm **D** 52 cm

**Soalan 13 dan 14**
***Question 13 and 14***

Puan Zam membeli 20 000 Euro dollar pada tahun 2018 dan menjualnya pada tahun 2025. Pertukaran nilai mata wang seperti di bawah.
*Puan Zam bought 20 000 Euro dollars in 2018 and sold in 2025. The exchange currency rate is as below.*

| **Tahun** *Year* | **Pertukaran nilai mata wang** *Exchange currency rate* |
|---|---|
| 2018 | 1 Euro dollar = RM2.20 |
| 2025 | 1 Euro dollar = RM5.10 |

13 Berapakah nilai Ringgit Malaysia yang digunakan oleh Puan Zam untuk membeli 20 000 Euro dollar pada tahun 2018?
*How much Ringgit Malaysia did Puan Zam use to buy 20 000 Euro dollars in the year 2018?*

**A** RM44 000 **C** RM90 000
**B** RM9090.91 **D** RM4444.44

14 Berapakah nilai Ringgit Malaysia yang Puan Zam dapat apabila menjual 20 000 Euro dollar itu pada tahun 2025?
*How much Ringgit Malaysia did Puan Zam get when she sold 20 000 Euro dollars in the year 2025?*

**A** RM44 000 **C** RM102 000
**B** RM9090.91 **D** RM4444.44

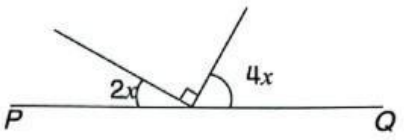
15 Selesaikan $\frac{x}{4} + 5 = -8$
*Solve*

**A** $-37$ **C** $-52$
**B** 27 **D** 48

16 Selesaikan $6 - 4y = 8$
*Solve*

**A** $-\frac{1}{4}$ **C** $-\frac{1}{2}$
**B** 3 **D** 5

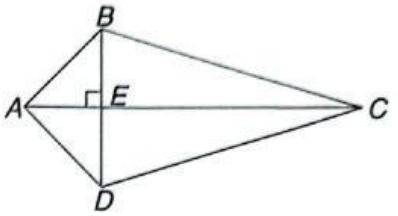
17




*PQ* ialah garis lurus. Cari nilai $x$.
*PQ is a straight line. Find the value of $x$.*

**A** 12 **C** 18
**B** 15 **D** 20

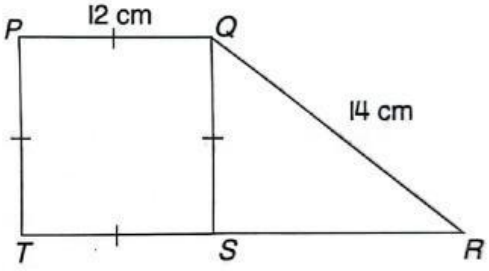
18




*ABCD* ialah suatu lelayang. *BE* = *ED* = 14 cm. *BC* = *DC* = 50 cm dan *AB* = *AD* = $\sqrt{296}$. *AEC* ialah garis lurus. *AC* =
*ABCD is a kite. BE = ED = 14 cm, BC = DC = 50 cm and AB = AD = $\sqrt{296}$. AEC is a straight line. AC =*

**A** 60 cm **C** 58 cm
**B** 64 cm **D** 50 cm

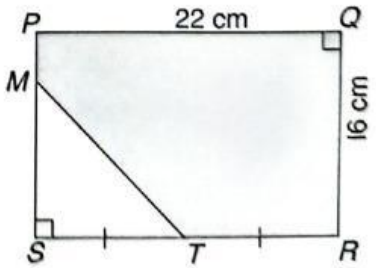
19




*PQST* ialah sebuah segi empat sama. *QSR* ialah sebuah segi tiga. Cari perimeter seluruh rajah.
*PQST is a square. QSR is a triangle. Find the perimeter of the whole diagram.*

**A** 52 cm **C** 64 cm
**B** 69.2 cm **D** 57.2 cm

20




Dalam rajah, *PQRS* ialah sebuah segi empat tepat. *ST* = *TR* dan *PM* = 4 cm. Hitung luas kawasan berlorek.
*In the diagram, PQRS is a rectangle. ST = TR and PM = 4 cm. Find the area of shaded region.*

**A** 178 cm² **C** 286 cm²
**B** 192 cm² **D** 352 cm²