PRAKTIS PROGRESIF 4

Bab 1 - 13

BAHAGIAN A
SECTION A

Jawab semua soalan.
Answer all questions.

1 Selesaikan ketaksamaan linear serentak.
Solve the simultaneous linear inequality.

$$4x + 6 > 0$$
$$18x - 4 \leq 32$$

A $x \geq \frac{-3}{2}$
C $\frac{-3}{2} \leq x < 2$
B $\frac{-3}{2} < x \leq 2$
D $x < 2$

2 Selesaikan ketaksamaan.
Solve the inequality.

$$18 - 3x \leq 2x + 3$$

A $x \geq 5$
C $x \leq 3$
B $x \leq 5$
D $x \geq 3$

3 Diberi R = {9, 7, x, 3, 1, 5, 13} dan S = {nombor ganjil yang kurang daripada 15}. Jika $R = S$, cari nilai x.
Given that R = {9, 7, x, 3, 1, 5, 13} and S = {odd numbers which are less than 15}. If $R = S$, find the value of x.

A 5
C 9
B 11
D 13

4 Cari GSTK bagi 5 dan 7.
Find LCM of 5 and 7.

A 35
C 21
B 40
D 75

5 Nombor perdana yang terbesar bagi 8029 ialah
The largest prime factor of 8029 is

A 17
C 37
B 29
D 43

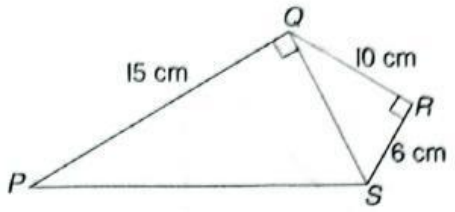
6 Nisbah $\frac{1}{2} : 1\frac{1}{4} : 2$ ialah
The ratio of $\frac{1}{2} : 1\frac{1}{4} : 2$ *is*

A 1 : 2 : 3
C 2 : 5 : 8
B 1 : 4 : 6
D 2 : 3 : 8

7 Antara set berikut, yang manakah mempunyai unsur 32?
Which of following set has the element of 32?

A P = {4, 8, 12, 16, 20}
B Q = {nombor perdana}
Q = {*prime numbers*}
C R = {x : x ialah faktor bagi 56}
R = {x : x *is a factor of 56*}
D S = {x : x ialah gandaan bagi 8}
S = {x : x *is a multiple of 8*}

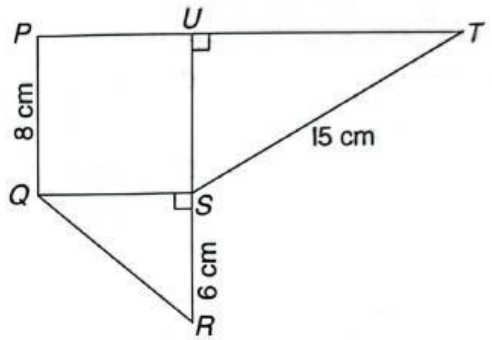
8



Cari panjang PS.
Find the length of PS.

A 19 cm
C 15 cm
B 21 cm
D 17 cm

9



Dalam rajah, $PUSQ$ ialah segi empat sama. Hitung perimeter seluruh rajah itu.
In the diagram, $PUSQ$ is a square. Calculate the perimeter of the whole diagram.

A 59.69 cm
B 58.65 cm
C 42.37 cm
D 48.59 cm

10 (3.17 – 2.45) – 3(0.6) =

A 3.82
C 6.17
B 4.12
D –1.08

11 Selesaikan $\frac{3}{4}x = 90$
Solve $\frac{3}{4}x = 90$

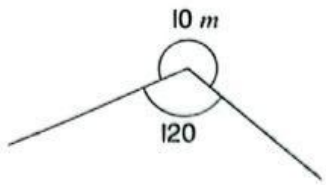
A 50
C 140
B 90
D 120

12 Diberi sebutan $14pr^2t$. Pekali bagi $14r^2t$ ialah
Given the term $14pr^2t$. The coefficient of $14r^2t$ is

A p
C t
B p^2
D 14

LIVEWORKSHEETS

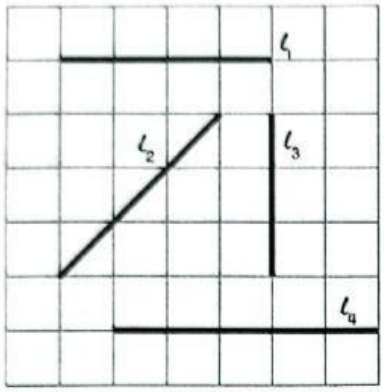
13



Apakah nilai bagi m?
What is the value of m?

A 12 **C** 20
B 18 **D** 24

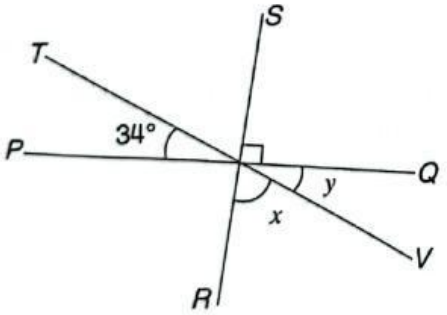
14



Garis yang manakah adalah selari?
Which of the lines are parallel?

A ℓ_1 dan ℓ_3 / *ℓ_1 and ℓ_3*
C ℓ_1 dan ℓ_2 / *ℓ_1 and ℓ_2*
B ℓ_1 dan ℓ_4 / *ℓ_1 and ℓ_4*
D ℓ_2 dan ℓ_4 / *ℓ_2 and ℓ_4*

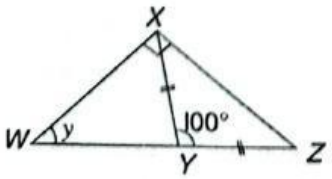
15



PQ, RS dan *TV* ialah garis lurus. Cari nilai x dan y.
PQ, RS and TV are straight lines. Find the value of x and y.

A $x = 56°, y = 34°$
B $x = 34°, y = 56°$
C $x = 56°, y = 124°$
D $x = 34°, y = 124°$

16



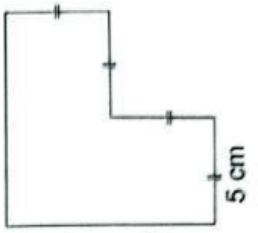
Cari nilai y.
Find the value of y.

A 50° **C** 70°
B 90° **D** 110°

17 Luas sebuah segi empat sama ialah 81 m². Apakah perimeter segi empat sama itu?
The area of a square is 81 m². What is the perimeter of the square?

A 18 m **C** 30 m
B 24 m **D** 36 m

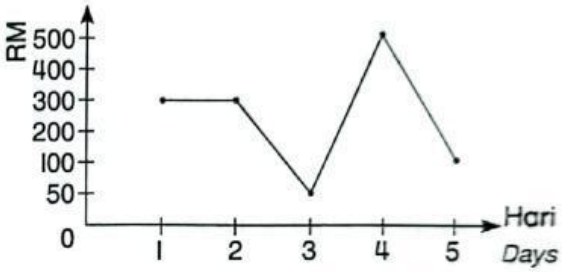
18



Hitung luas keseluruhan rajah.
Calculate the area of whole diagram.

A 25 m² **C** 75 m²
B 65 m² **D** 40 m²

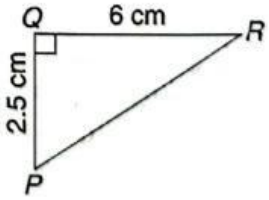
19



Graf garis di atas menunjukkan pendapatan kantin sekolah untuk 5 hari. Hitung jumlah pendapatan dalam 5 hari itu.
The line graph above shows the income of a school canteen for 5 days. Calculate the total income in 5 days.

A RM1000 **C** RM1750
B RM750 **D** RM1250

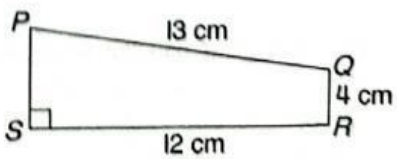
20



Cari panjang *PR*.
Find the length of PR.

A 2.8 cm **C** 7.7 cm
B 4.5 cm **D** 6.5 cm

21



PQRS ialah sebuah trapezium. Hitung panjang *PS*.
PQRS is a trapezium. Calculate the length of PS.

A 5 cm **C** 8 cm
B 6 cm **D** 9 cm

LIVEWORKSHEETS