SECTION A
BAHAGIAN A

1 Diagram 1 shows a part of the work solutions for solving $9 \times 2\,990$.
Rajah 1 menunjukkan sebahagian daripada langkah kerja untuk menyelesaikan $9 \times 2\,990$.

$$9 \times 2\,990 = 9 \times (3\,000 - 10)$$
$$= 9 \times 3\,000 - 9 \times 10$$

Diagram 1
Rajah 1

Determine the law of arithmetic operations used.
Tentukan hukum operasi aritmetik yang digunakan.

A Associative Law
Hukum Kalis Sekutuan
B Commutative Law
Hukum Kalis Tukar Tertib
C Distributive Law
Hukum Kalis Agihan
D Identity Law
Hukum Identiti

2 Express 0.6 : 1.5 in its simplest form.
Ungkapkan 0.6 : 1.5 *dalam bentuk termudah.*
A 1 : 3
B 2 : 5
C 3 : 5
D 6 : 15

3 Which of the following expressed in simplest form?
Antara berikut, yang manakah diungkapkan dalam bentuk termudah?
A $2x + 3 - 4y + 1$
B $4x + 7y - 2y - 3$
C $4xy + 3z - 5$
D $3x^2 \times x \times 2xy$

4 Which of the following is the linear equation in two variables?
Antara berikut, yang manakah persamaan linear dalam dua pemboleh ubah?
A $y^2 + x = 2$
B $x^2 - 2x = 6$
C $x - 5 = 4y$
D $x^2 + 2y^2 = 0$

5 Diagram 2 is a number line showing an inequality.
Rajah 2 ialah garis nombor yang menunjukkan suatu ketaksamaan.

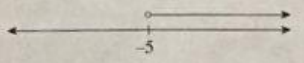

Diagram 2
Rajah 2

Determine the inequality.
Tentukan ketaksamaan itu.
A $x < -5$ **B** $x \leq -5$
C $x > -5$ **D** $x \geq -5$

6 In Diagram 3, the lines PQ and PS form a right angle.
Dalam Rajah 3, garis PQ dan PS membentuk satu sudut tegak.

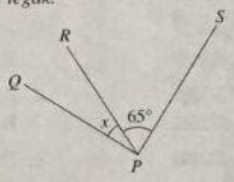

Diagram 3
Rajah 3

Find the value of x.
Cari nilai x.
A 20° **B** 25°
C 30° **D** 35°

7 In Diagram 4, PTS is a straight line.
Dalam Rajah 4, PTS ialah garis lurus.

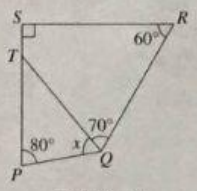

Diagram 4
Rajah 4

Find the value of x.
Cari nilai x.
A 60° **B** 65°
C 70° **D** 75°

8 Given P and Q are equal sets. If P = {vowels in the word 'BAHASA'}, determine set Q.
Diberi P dan Q ialah set sama. Jika P = {huruf vokal dalam perkataan 'BAHASA'}, tentukan set Q.
A {vowels in the word 'BAHAGIA'}
{*huruf vokal dalam perkataan* 'BAHAGIA'}
B {vowels in the word 'BANGSA'}
{*huruf vokal dalam perkataan* 'BANGSA'}
C {vowels in the word 'NEGARA'}
{*huruf vokal dalam perkataan* 'NEGARA'}
D {vowels in the word 'NEGERI'}
{*huruf vokal dalam perkataan* 'NEGERI'}

9 Diagram 5 shows a trapezium $PQRS$.
Rajah 5 menunjukkan sebuah trapezium PQRS.

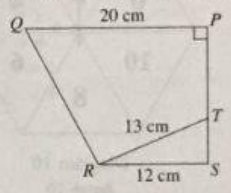

Diagram 5
Rajah 5

Given $PT = 2TS$. Find the length, in cm, of QR.
Diberi PT = 2TS. Cari panjang, dalam cm, *QR.*
A 17 **B** 15
C 16 **D** 14

10 Diagram 6 shows a circle with a radius of 14 cm and centre O.
Rajah 6 menunjukkan sebuah bulatan berjejari 14 cm *dan berpusat O.*

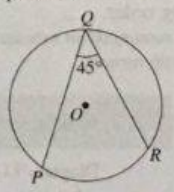

Diagram 6
Rajah 6

Find the length, in cm, of minor arc PR.
Cari panjang, dalam cm, *lengkok minor PR.*
$\left[\text{Use/}Guna\ \pi = \frac{22}{7}\right]$
A 11 **B** 22
C 15 **D** 30

LIVEWORKSHEETS