

POLA & JUJUKAN / PATTERNS & SEQUENCES

1. SPMU

Razi mempunyai RM10. Setiap hari, dia menyimpan RM8 daripada wang sakunya.
Razi has RM10. Everyday, he saves RM8 from his pocket money.

- (a) Tulis satu rumus untuk mewakili wang simpanan Razi yang terkumpul setiap hari.
 [2 markah]

Write a formulae to represent Razi's savings accumulated daily. [2 marks]

- (b) Razi ingin membeli sebuah buku yang berharga RM179 menggunakan wang simpanan itu.

Tentukan pada hari keberapakah wangnya cukup untuk membeli buku itu?
 [2 markah]

Razi wants to buy a book that costs RM179.

Determine when will his savings be enough to buy the book? [2 marks]

Jawapan / Answer:

2. SMKA/SABK (SET 2)

Rajah 1 menunjukkan senarai nombor perdana antara 30 dan 80.

Diagram 1 shows a list of prime numbers between 30 and 80.

31	37	<i>P</i>	43	47	53	<i>Q</i>	61	67	71	<i>R</i>	79
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Rajah 1

Diagram 1

Cari nilai $\frac{(P-Q)}{(R-P)}$.

Find the value of $\frac{(P-Q)}{(R-P)}$.

[3 markah]

[3 marks]

Jawapan/Answer :

3. PERLIS

Rajah 2 di ruang jawapan menunjukkan enam aras pertama untuk Segi Tiga Pascal.

Diagram 2 in the answer space shows six rows of the Pascal's Triangle.

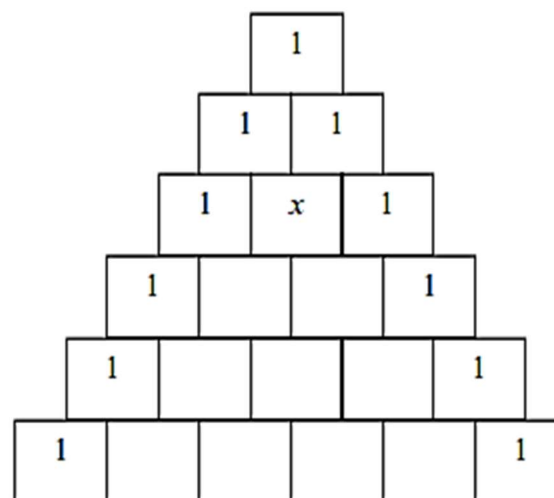
(a) Nyatakan nilai x . [1 markah]
 State the value of x . [1 mark]

(b) Lengkapkan Segi Tiga Pascal di ruang jawapan bagi baris keenam. [2 markah]
 Complete Pascal's Triangle in the answer space for sixth row. [2 marks]

Jawapan/Answer:

(a)

(b)



Rajah 2
 Diagram 2

SKEMA JAWAPAN :

1. SPMU

$$a) 10 + 8t, t = 1, 2, 3, \dots$$

$$b) \frac{179 - 10}{8}$$

$$22$$

2. SMKA/SABK (SET 2)

$$(41 - 59) \div (73 - 41)$$

1

$$-18 \div 32$$

1

$$-\frac{9}{16} \text{ atau } -0.5625$$

1

[3 m]

3. PERLIS

$$(a) 2$$

1

$$(b) 5, 10, 10, 5$$

2