SAMPEL PERCUMA

# DLP Form 1 Mathematics: Year 6 Review + Form 1 Head Start

## Set penuh: Masuk Tingkatan 1 2027

Ready for Form 1 · DLP

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- Ready for Form 1 (DLP) · Year 6 review + Form 1 head start: Mathematics, Science, English, BM · 96 multiple-choice + 24 written + answers · 30 pages
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YEAR 6 → FORM 1 · DLP · 2027

# Ready for Form 1 (DLP)

## YEAR 6 REVIEW + FORM 1 HEAD START · 2027

Mathematics (Matematik) | Science (Sains) | English | Bahasa Melayu

**Part A · Year 6 Review:** Mathematics, Science, English, Bahasa Melayu

**Part B · Form 1 Head Start (KSSM):** Rational Numbers, Factors & Multiples, Squares & Cubes, Ratios, Algebra · Scientific Investigation, Cells, Homeostasis

**Maths & Science in English** with key BM terms in brackets

**Total:** 96 multiple-choice + 24 written questions

**Full answer scheme** with mark allocation

Original practice questions written to the KSSR Year 6 and KSSM Form 1 syllabus. Not real exam papers.

Nama: _____ Kelas: _____

# Kandungan



**Cara guna:** Cetak satu subjek pada satu masa. Jawab dalam masa yang ditetapkan tanpa melihat nota, kemudian semak dengan skema jawapan di belakang setiap bahagian. Ulang soalan yang salah selepas 3 hari.

**Part A · Year 6 Review (Ulang Kaji Tahun 6)** 3

Mathematics (Matematik) 3

Science (Sains) 6

English 9

Bahasa Melayu 12

Skema Jawapan Part A · Year 6 Review (Ulang Kaji Tahun 6) 15

**Part B · Form 1 Head Start (KSSM Tingkatan 1)** 17

Mathematics (Matematik) 17

Science (Sains) 20

English 23

Bahasa Melayu 26

Skema Jawapan Part B · Form 1 Head Start (KSSM Tingkatan 1) 29

# Mathematics (Matematik) — Part A · Year 6 Review (Ulang Kaji Tahun 6)



Nama: _____ Tarikh: _____ Markah: ____ / 22

**Bahagian A — Aneka Pilihan.** Answer all questions. Circle the correct answer (A, B, C or D). (Jawab semua soalan. Bulatkan jawapan yang betul.)

**1.** Round off (bundarkan) 648 352 to the nearest thousand (ribu terdekat).

**A** 648 000 **B** 649 000
**C** 650 000 **D** 648 400

**2.** Which of the following is a prime number (nombor perdana)?

**A** 21 **B** 23
**C** 25 **D** 27

**3.** Calculate (hitung): 4 500 + 1 200 × 3 − 600

**A** 16 500 **B** 8 700
**C** 7 500 **D** 5 700

**4.** Find 3/4 of 2.4 kg. Give your answer in grams (gram).

**A** 600 g **B** 1 200 g
**C** 1 600 g **D** 1 800 g

**5.** What is 35% (peratus) of RM240?

**A** RM72 **B** RM84
**C** RM96 **D** RM156

**6.** Puan Aini bought a fan for RM150 and sold it for RM186. What was her profit (untung)?

**A** RM36 **B** RM34
**C** RM46 **D** RM336

**7.** A shirt costs RM80. The shop gives a 15% discount (diskaun). What is the price after the discount?

**A** RM12
**B** RM65
**C** RM72
**D** RM68

**8.** A train left Johor Bahru at 10:45 p.m. and arrived in Butterworth at 4:20 a.m. the next day. How long was the journey (tempoh perjalanan)?

**A** 6 hours 25 minutes
**B** 5 hours 25 minutes
**C** 5 hours 35 minutes
**D** 6 hours 35 minutes

**9.** A cuboid (kuboid) box measures 12 cm long, 5 cm wide and 4 cm high. What is its volume (isi padu)?

**A** 240 cm³
**B** 21 cm³
**C** 120 cm³
**D** 480 cm³

**10.** The ratio (nisbah) of boys to girls in a class is 3 : 5. There are 40 pupils in the class. How many girls are there?

**A** 15
**B** 8
**C** 24
**D** 25

**11.** The marks of five pupils in a quiz are 12, 15, 9, 18 and 16. What is the mean (min/purata) mark?

**A** 13
**B** 14
**C** 15
**D** 70

**12.** A bag has 9 blue marbles and 1 yellow marble. Hakim picks one marble without looking. What is the likelihood (kebolehjadian) that he picks the yellow marble?

**A** certain (pasti)
**B** impossible (mustahil)
**C** unlikely (kurang mungkin)
**D** likely (mungkin)

**Bahagian B — Soalan Berstruktur.** Jawab semua soalan di ruang yang disediakan.

**1.** A rectangular (segi empat tepat) garden is 15 m long and 8 m wide.
(a) Find the perimeter (perimeter) of the garden.
(b) Find the area (luas) of the garden.
(c) Encik Kamal uses a square (segi empat sama) corner of the garden, 4 m by 4 m, to build a shed. What area of the garden is left? [4 markah]

**2.** Encik Rahman saves RM5 000 in a bank. The bank pays simple interest (faedah mudah) of 3% per year.
(a) How much interest does he get after 1 year?
(b) What is the total amount of money in his account after 2 years? [3 markah]

**3.** On a Cartesian plane (satah Cartes), point P is at (2, 3), point Q is at (6, 3) and point R is at (6, 7).
(a) What is the horizontal distance (jarak mengufuk) from P to Q?
(b) What is the vertical distance (jarak mencancang) from Q to R?
(c) Point S is added so that PQRS is a square. State the coordinates (koordinat) of S. [3 markah]

**7.** Find the highest common factor, HCF (faktor sepunya terbesar, FSTB), of 18 and 24.

**A** 2 **B** 3
**C** 6 **D** 72

**8.** Find the lowest common multiple, LCM (gandaan sepunya terkecil, GSTK), of 4, 6 and 10.

**A** 2 **B** 30
**C** 60 **D** 240

**9.** Which of the following shows 60 written as a product of prime factors (faktor perdana)?

**A** 2 × 3 × 10 **B** 2 × 2 × 15
**C** 3 × 4 × 5 **D** 2 × 2 × 3 × 5

**10.** Find the value of $\sqrt{169} + \sqrt[3]{(-27)}$. ($\sqrt{}$ = square root / punca kuasa dua, $\sqrt[3]{}$ = cube root / punca kuasa tiga)

**A** 10 **B** 16
**C** -10 **D** 4

**11.** Aina and Hafiz share RM120 in the ratio (nisbah) 3 : 5. How much does Hafiz get?

**A** RM45 **B** RM75
**C** RM40 **D** RM72

**12.** Simplify 5x - 3y - 2x + 7y by combining like terms (sebutan serupa).

**A** 7x + 4y **B** 3x - 10y
**C** 7x + 10y **D** 3x + 4y

**Bahagian B — Soalan Berstruktur.** Jawab semua soalan di ruang yang disediakan.

**1.** Calculate each of the following. Show your working.

(a) (-15) + 8 - (-4)

(b) (-48) ÷ 6 × (-2) [3 markah]

**2.** Puan Siti has 36 red pens and 48 blue pens. She wants to pack all the pens into identical bags so that every bag has the same number of red pens and the same number of blue pens, with no pens left over.

(a) What is the largest number of bags she can make?

(b) How many red pens and how many blue pens are in each bag? [3 markah]

**3.** (a) Find the value of $(-4)^3$ (cube / kuasa tiga).

(b) Find the value of $\sqrt{(49/64)}$.

(c) Simplify $3(2a - b) - (a - 4b)$. [4 markah]

# Skema Jawapan — Part A · Year 6 Review (Ulang Kaji Tahun 6)

Answer Scheme · Skema Jawapan

## Bahagian A — Aneka Pilihan

| | | | | | | |
|---|---|---|---|---|---|---|
| **Mathematics (Matematik)** | 1 **A** | 2 **B** | 3 **C** | 4 **D** | 5 **B** | 6 **A** |
| | 7 **D** | 8 **C** | 9 **A** | 10 **D** | 11 **B** | 12 **C** |
| **Science (Sains)** | 1 **A** | 2 **B** | 3 **C** | 4 **D** | 5 **B** | 6 **A** |
| | 7 **D** | 8 **C** | 9 **A** | 10 **D** | 11 **B** | 12 **C** |
| **English** | 1 **A** | 2 **B** | 3 **C** | 4 **D** | 5 **B** | 6 **A** |
| | 7 **D** | 8 **C** | 9 **A** | 10 **D** | 11 **B** | 12 **C** |
| **Bahasa Melayu** | 1 **A** | 2 **B** | 3 **C** | 4 **D** | 5 **B** | 6 **A** |
| | 7 **D** | 8 **C** | 9 **A** | 10 **D** | 11 **B** | 12 **C** |

## Bahagian B — Soalan Berstruktur

### Mathematics (Matematik)

**1.** (a) Perimeter = 15 + 8 + 15 + 8 = 46 m [1 mark]
(b) Area = 15 × 8 = 120 m² [1 mark]
(c) Area of shed = 4 × 4 = 16 m² [1 mark]; area left = 120 − 16 = 104 m² [1 mark]

**2.** (a) Interest for 1 year = 3/100 × RM5 000 = RM150 [1 mark]
(b) Interest for 2 years = RM150 × 2 = RM300 [1 mark]; total = RM5 000 + RM300 = RM5 300 [1 mark]

**3.** (a) 6 − 2 = 4 units [1 mark]
(b) 7 − 3 = 4 units [1 mark]
(c) S = (2, 7) [1 mark] (same x as P, same y as R)

### Science (Sains)

**1.** (a) Speed = distance ÷ time (laju = jarak ÷ masa) [1 mark]
(b) 600 m ÷ 2 min = 300 m/min [1 mark]
(c) 300 m/min × 5 min = 1 500 m [1 mark]

TAMAT SAMPEL

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