

# MATH MODUL YEAR 5

DATE/DAY	:	26 JULY 2021 (MONDAY)
TITLE	:	TIME AND DURATION
STANDARD CONTENT	:	Basic Operations Involving Time
LEARNING STANDARDS :		4.3.1(iii)(iv), 4.3.2(iii)(iv)
PERFORMANCE STANDARD	:	Determine the correctness of the answer and solve sentences add and subtract time maths involving fractions and Decimal.
LEARNING OBJECTIVES :		Pupils are able to complete math sentences subtract time involves fractions and decimals; i) year and month ii) decade and year.
REFERENCE	:	MATHEMATICS TEXTBOOK 5 M/S 158 - 161 REFER AND STUDY THE NOTES BELOW

## Years and months

**1 a** Find the age difference, in years, between the hamster and the rabbit.

$$10\frac{1}{5} \text{ years} - 2\frac{1}{2} \text{ years} = \text{ } \text{ years}$$

$$10\frac{1}{5} \text{ years} - 2\frac{1}{2} \text{ years}$$

$$= 10\frac{1 \times 2}{5 \times 2} \text{ years} - 2\frac{1 \times 5}{2 \times 5} \text{ years}$$

$$= 10\frac{2}{10} \text{ years} - 2\frac{5}{10} \text{ years}$$

$$= 9\frac{12}{10} \text{ years} - 2\frac{5}{10} \text{ years}$$

$$= 7\frac{7}{10} \text{ years}$$

$$10\frac{1}{5} \text{ years} - 2\frac{1}{2} \text{ years} = 7\frac{7}{10} \text{ years}$$

The age difference between the hamster and the rabbit is  $7\frac{7}{10}$  years.

**b** What is the age difference between the hamster and the goldfish?

My goldfish is about 8 years 8 months old.

$$8 \text{ years } 8 \text{ months} - 2\frac{1}{2} \text{ years}$$

$$= \text{ } \text{ years } \text{ } \text{ months}$$

year	month
8	8
- 2	6
6	2

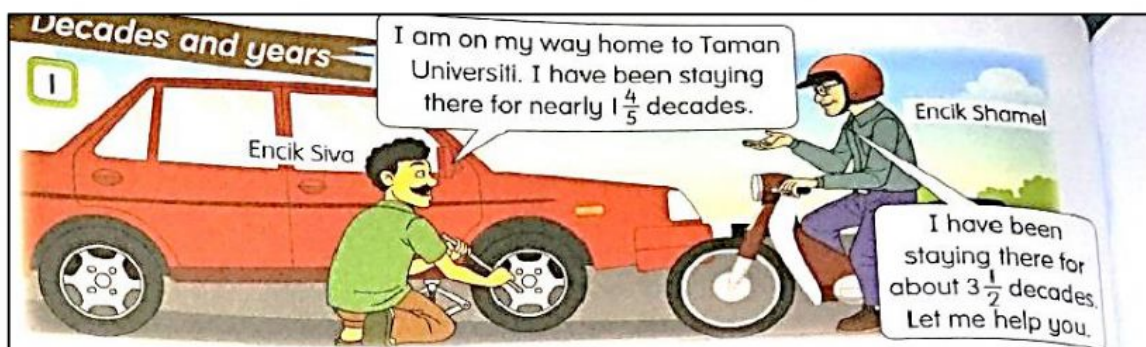
$\frac{1}{2} \text{ year} = (\frac{1}{2} \times 12) \text{ months}$   
 $= 6 \text{ months}$

Therefore,  $2\frac{1}{2} \text{ years} = 2 \text{ years } 6 \text{ months}.$

$$8 \text{ years } 8 \text{ months} - 2\frac{1}{2} \text{ years} = 6 \text{ years } 2 \text{ months}$$

The age difference between the hamster and the goldfish is 6 years 2 months.

State the above answer in months.



How much longer has Encik Shamel been staying in Taman Universiti compared to Encik Siva?

$$3\frac{1}{2} \text{ decades} - 1\frac{4}{5} \text{ decades} = \text{ } \text{ decades}$$

$$\begin{aligned} 3\frac{1}{2} \text{ decades} - 1\frac{4}{5} \text{ decades} &= 3\frac{1 \times 5}{2 \times 5} \text{ decades} - 1\frac{4 \times 2}{5 \times 2} \text{ decades} \\ &= 3\frac{5}{10} \text{ decades} - 1\frac{8}{10} \text{ decades} \\ &= 2\frac{15}{10} \text{ decades} - 1\frac{8}{10} \text{ decades} \\ &= 1\frac{7}{10} \text{ decades} \end{aligned}$$

$$3\frac{1}{2} \text{ decades} - 1\frac{4}{5} \text{ decades} = 1\frac{7}{10} \text{ decades}$$

Encik Shamel has been staying in Taman Universiti  $1\frac{7}{10}$  decades longer than Encik Siva.

**2**  $9 \text{ decades} - 6\frac{3}{10} \text{ decades} = \text{ } \text{ decades } \text{ } \text{ years}$

decade =  $(\frac{3}{10} \times 10) \text{ years}$   
= 3 years



decade	year
8	10
<del>9</del>	<del>0</del>
- 6	3
2	7

Convert 9 decades to 8 decades 10 years.

$$9 \text{ decades} - 6\frac{3}{10} \text{ decades} = 2 \text{ decades } 7 \text{ years}$$

Instructions:

PLEASE ANSWER EXERCISE HERE TYPE THE CORRECT NUMBER AFTER ANSWERING IN YOUR DLP

BOOSTER BOOKS PAGE 59, QUESTIONS 1 TO 6

B. Calculate./Hitung. LS4.3.1 (iii), (iv), LS4.3.2 (iii), (iv)

PL3

1.  $4\frac{1}{6}$  years – 1 year 5 months  
 $4\frac{1}{6}$  tahun – 1 tahun 5 bulan  
 =  years  months  
   tahun           bulan

YEAR	MONTH

2.  $1\frac{1}{2}$  years – 0.25 year  
 $1\frac{1}{2}$  tahun – 0.25 tahun  
 =  year  months  
   tahun           bulan

YEAR	MONTH

3.  $\frac{5}{6}$  year – 0.75 year  
 $\frac{5}{6}$  tahun – 0.75 tahun  
 =  month  
   bulan

YEAR	MONTH

4. 5.7 decades – 1 decade 8 years  
 5.7 dekad – 1 dekad 8 tahun  
 =  decades  years  
   dekad           tahun

DECADE	YEAR

5.  $\frac{9}{10}$  decade – 0.6 decade  
 $\frac{9}{10}$  dekad – 0.6 dekad  
 =  years  
   tahun

DECADE	YEAR

6. 2.7 decades –  $\frac{1}{5}$  decade  
 2.7 dekad –  $\frac{1}{5}$  dekad  
 =  decades  years  
   dekad           tahun

DECADE	YEAR