

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.

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

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

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

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

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

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

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

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.

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

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

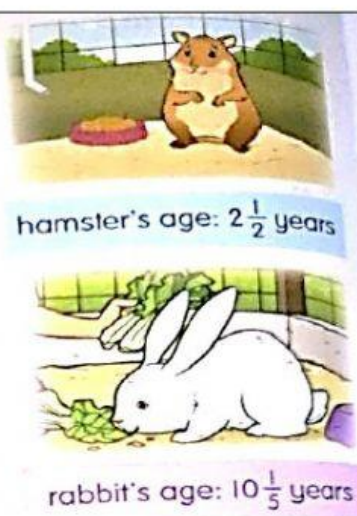
$$= 6 \text{ months}$$

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

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

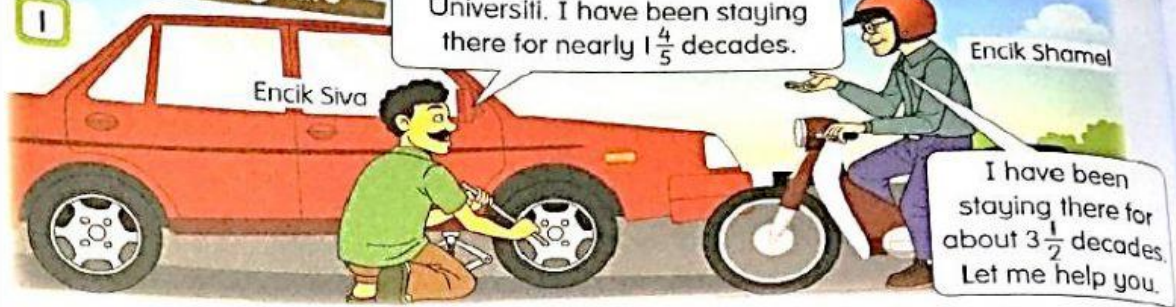
The age difference between the hamster and the goldfish is **6 years 2 months**.

State the above answer in months.



Decades and years

1



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
9	0
- 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
 tahun months
 bulan

YEAR	MONTH

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

DECADE	YEAR