

DATE/DAY	:	28 JULY 2021 (WEDNESDAY)
Title	:	TIME AND DURATION
STANDARD CONTENT	:	Time Base Operation
LEARNING STANDARDS:		4.3.1(v) , 4.3.2 (v)
PERFORMANCE STANDARDS	:	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; 1) CENTURY AND DECADE
REFERENCES	:	MATHEMATICS TEXT BOOKS 5 PAGE 162 - 163

REFER AND STUDY THE NOTES BELOW THEN ANSWER ALL THE QUESTIONS

Centuries and decades

1

Age of banknotes in 2021



Calculate the age difference between the two banknotes.

$$\frac{1}{2} \text{ century} - \frac{1}{10} \text{ century} = \text{ } \text{ century}$$

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

$$= \frac{5}{10} \text{ century} - \frac{1}{10} \text{ century}$$

$$= \frac{4 \div 2}{10 \div 2} \text{ century}$$

$$= \frac{2}{5} \text{ century}$$

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

The age difference between the two banknotes is $\frac{2}{5}$ century.

2 $7\frac{3}{5}$ centuries - 4 centuries 8 decades = centuries decades

$\frac{3}{5} \text{ century} = (\frac{3}{5} \times \frac{2}{2}) \text{ decades}$
 $= 6 \text{ decades}$

Therefore,
 $7\frac{3}{5} \text{ centuries} = 7 \text{ centuries } 6 \text{ decades.}$

Convert 1 century to 10 decades. Then, add 10 decades and 6 decades to make 16 decades.

century	decade
6	16
7	6
- 4	8
2	8

$7\frac{3}{5} \text{ centuries} - 4 \text{ centuries } 8 \text{ decades} = 2 \text{ centuries } 8 \text{ decades}$



BRAIN TEASER

Complete this.

$1\frac{4}{5} \text{ centuries} - \text{ } \text{ century} = 12 \text{ decades}$

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KPM

4.3.1 (v)

- Carry out subtraction activities involving centuries and decades using flash cards.
- Discuss the history and changes of banknotes in Malaysia.

- 3 Calculate the age difference in the production of Proton Saga and Perodua Myvi models.

$$0.23 \text{ century} - 0.06 \text{ century} = \text{ } \text{ century}$$

$$\begin{array}{r} 1 \text{ } 13 \\ 0.23 \text{ century} \\ - 0.06 \text{ century} \\ \hline 0.17 \text{ century} \end{array}$$

$$0.23 \text{ century} - 0.06 \text{ century} = 0.17 \text{ century}$$

The age difference in the production of Proton Saga and Perodua Myvi models is **0.17 century**.

1985 to 2008
(0.23 century)



2005 to 2011
(0.06 century)

- 4 $14.2 \text{ centuries} - 3 \text{ centuries } 9 \text{ decades} = \text{ } \text{ centuries } \text{ } \text{ decades}$

$$\begin{aligned} 14.2 \text{ centuries} &= 14 \text{ centuries} + 0.2 \text{ century} \\ &= 14 \text{ centuries} + (0.2 \times 10) \text{ decades} \\ &= 14 \text{ centuries } 2 \text{ decades} \end{aligned}$$

century	decade
13	12
14	2
- 3	9
10	3

$$14.2 \text{ centuries} - 3 \text{ centuries } 9 \text{ decades} = 10 \text{ centuries } 3 \text{ decades}$$

- 5 $6\frac{1}{10} \text{ centuries} - 5.7 \text{ centuries} = \text{ } \text{ decades}$

$$\begin{aligned} 6\frac{1}{10} \text{ centuries} &= 6 \text{ centuries} + \frac{1}{10} \text{ century} \\ &= 6 \text{ centuries} + 0.1 \text{ century} \\ &= 6.1 \text{ centuries} \end{aligned}$$

$$\begin{array}{r} 5 \text{ } 11 \\ 6.1 \text{ centuries} \\ - 5.7 \text{ centuries} \\ \hline 0.4 \text{ century} \end{array}$$

$$0.4 \text{ century} = (0.4 \times 10) \text{ decades} = 4 \text{ decades}$$

$$6\frac{1}{10} \text{ centuries} - 5.7 \text{ centuries} = 4 \text{ decades}$$

How many centuries and decades are there if $2\frac{1}{5}$ centuries is subtracted from 4.1 centuries?



INSTRUCTIONS

PLEASE ANSWER EXERCISES IN DLP BOOSTER BOOKS PAGE 60, QUESTIONS 1 TO 8.

C. Calculate./Hitung. LS4.3.1(v), 4.3.2(v) PL3

1. $2\frac{3}{10}$ centuries – 14 decades
 $2\frac{3}{10}$ abad – 14 dekad

= decades
 dekad

CENTURY	DECADE

2. 6 centuries 1 decade – $3\frac{1}{2}$ centuries
 6 abad 1 dekad – $3\frac{1}{2}$ abad

= centuries decades
 abad dekad

CENTURY	DECADE

3. 4.8 centuries – 2 centuries 9 decades
 4.8 abad – 2 abad 9 dekad

= century decades
 abad dekad

CENTURY	DECADE

4. 34 decades – 1.8 centuries
 34 dekad – 1.8 abad

= century decades
 abad dekad

CENTURY	DECADE

5. $2\frac{1}{2}$ centuries – 1.4 centuries
 $2\frac{1}{2}$ abad – 1.4 abad

= century decade
 abad dekad

CENTURY	DECADE

6. $3\frac{1}{10}$ centuries – 0.7 century
 $3\frac{1}{10}$ abad – 0.7 abad

= centuries decades
 abad dekad

CENTURY	DECADE

7. 4.2 centuries – $1\frac{7}{10}$ centuries
 4.2 abad – $1\frac{7}{10}$ abad

= centuries decades
 abad dekad

CENTURY	DECADE

8. 8.4 centuries – $3\frac{3}{5}$ centuries
 8.4 abad – $3\frac{3}{5}$ abad

= centuries decades
 abad dekad

CENTURY	DECADE