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1 Time Conversion Unit

This is a collection of time conversion questions for week 1 assignment.


1.1 Question 1

- How many days in a weeks? $\text{\$answerbox[0]}$
- How many minutes in b weeks? $\text{\$answerbox[1]}$

1.1.1 Comments

Answer the following questions:

1. How many days in a weeks? $\text{\$answerbox[0]}$ 

2. How many minutes in b weeks? $\text{\$answerbox[1]}$ 

1.2 Code

Question type = Multipart

```
 $\text{\$anstypes} = \text{array}(\text{"calculated"}, \text{"calculated"})$ 
```

```
 $\text{\$a}, \text{\$b} = \text{diffRANDS}(2, 5, 2)$ 
```

```
 $\text{\$answer}[0] = 7 * \text{\$a}$ 
```

```
 $\text{\$answer}[1] = 7 * 24 * 60 * \text{\$b}$ 
```

1.2.1 Comments

You may want to change $\text{\$answertypes} = \text{array}(\text{"calculated"}, \text{"calculated"})$ to $\text{\$answertypes} = \text{array}(\text{"number"}, \text{"number"})$ This way students have to actually calculate the answer instead of just writing “ $7 \times a$ ”.

```
[2]: dw(a):=7*a;  
     mw(b):=7*24*60*b;
```

```
dw(2); mw(2);
```

[2] :

$$dw(a) := 7a \quad (\%o4)$$

[2] :

$$mw(b) := 72460b \quad (\%o5)$$

[2] :

$$14 \quad (\%o6)$$

[2] :

$$20160 \quad (\%o7)$$

1.3 Question 2

Answer the following questions:

1. How many minutes in a hours? `$answerbox[0]`
2. How many seconds in b hours? `$answerbox[1]`

1.4 Code

```
$anstypes = array("calculated","calculated")
```

```
$a,$b = diffrands(2,5,2)
```

```
$answer[0] = 60*$a
```

```
$answer[1] = 60*60*$b
```

1.5 Question 3

Answer the following questions:

1. How many meters in a kilometers? `$answerbox[0]`
2. How many centimeters in b kilometers? `$answerbox[1]`

1.6 Code

```
$anstypes = array("calculated","calculated")
```

```
$a,$b = diffrands(2,5,2)
```

```
$answer[0] = $a*10^(3)
```

```
$answer[1] = $b*10^(6)
```

[]: