uiznum8

Name: C'Kret Lindsey **Perm Number:** 6361232

TA: Trevor ☐ Daniel ☐ Jeremy ■ **Day:** T ■ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ■

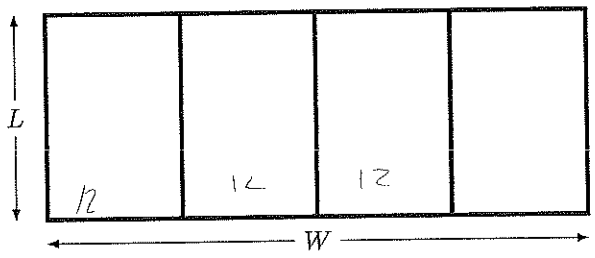
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [height] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$2L + 2W$

$3 \cdot 4 = 12$

$8 + 6 = 14$

IDK

$P =$ 500L + 500W

uiznum8

Name: Alicia Cabay **Perm Number:** 6666030-2

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ☑

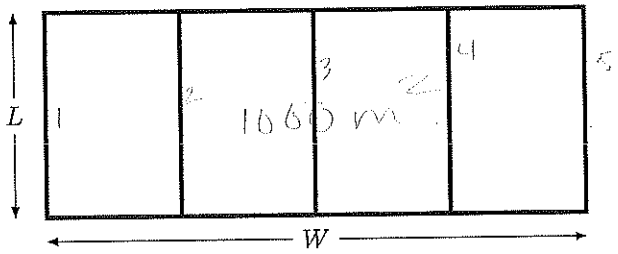
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the height of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$L \cdot 5$

$\frac{1000}{L} = \frac{L \cdot W}{L}$

$W = \frac{1000}{L}$

$P = (L \cdot 5) + 2W$

$P = (L \cdot 5) + 2\left(\frac{1000}{L}\right)$

$\frac{2}{1} \cdot \frac{1000}{L} = \frac{2000}{L}$

$P = 5L + 2\frac{1000}{L} = 5L + 2000L$

$P =$ $5L + 2000L$

uiznum8

Name: Brandy Rodriguez **Perm Number:** 6665634

TA: Trevor ☐ Daniel ☐ Jeremy ☐ **Day:** T ☒ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ☒

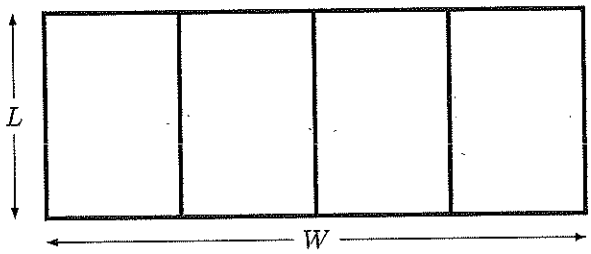
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the velocity of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = 1000\,m^2$

$\frac{lw}{l} = \frac{1000\,m^2}{l}$

$w = \frac{1000}{l}$

$P = 5l + 2w$

$5l + 2\left(\frac{1000}{l}\right)$

$5l + \frac{2000}{l}$

$A = 1000\,m^2$

$\frac{lw}{l} = \frac{1000\,m^2}{l}$

$w = \frac{1000}{l}$

$P = 2l + 2w$

$P = 2l + 2\left(\frac{1000}{l}\right)$

$2l + \frac{2000}{l}$

$P = 2l + 2w$

$P = \boxed{5l + \frac{2000}{l}}$

uiznum8

Name: Zihu Zhu **Perm Number:** 5381462

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ☑

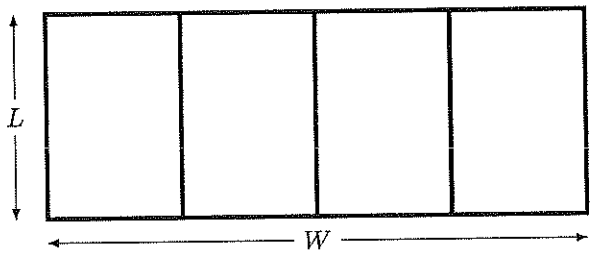
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the ~~rate of height change~~ velocity of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$w = \frac{1000}{L} \times 2 + 5L$

$P =$ $\frac{2000}{L} + 5L$

uiznum8

Name: Sebastian Avila **Perm Number:** 5976220

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ☒

Quiz 8

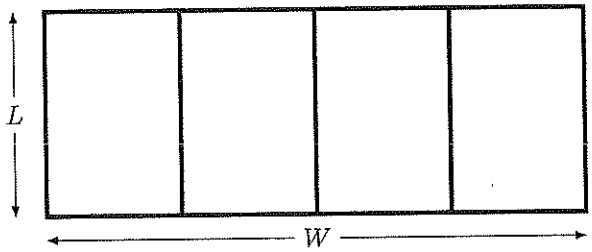
In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

m/s = velocity

1) 20 is the velocity of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = L \cdot W$

$P = L + L + W + W$

$\frac{1000m^2 = L \cdot W}{L}$

$W = \frac{1000m^2}{L}$

$2L + \frac{2000}{L} = P$

$P =$ $5L + (2{,}000/L)$

uiznum8

Name: Ajani Tychinbo **Perm Number:** 5760315

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☑ 5 ☐ 6 ☐ 7 ☐

Quiz 8

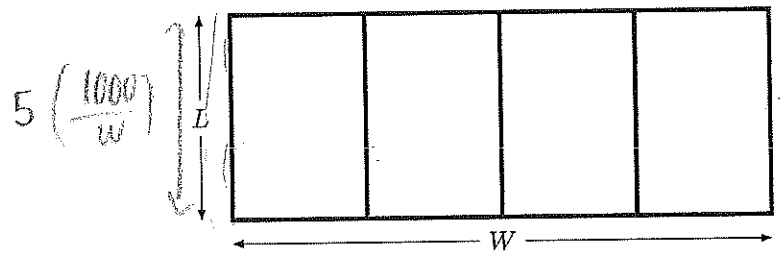
In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

$h(2) = 40(2) - 5(2)^2$
$80 - 20$
60

1) 20 is the speed of the ball at 2 seconds.

2) 35 is the velocity of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$P = 2w + 2L$

$A = L \cdot w$

$1000 = L \cdot w$

$\frac{1000}{w} = L$

$P = 2w + 2(\frac{1000}{w})$

$P = 2w + 5(\frac{1000}{w})$

1000 × 2 = 2000, 2000 × 5 = 10,000

$P =$ $2w + \frac{10,000}{5w}$

uiznum8

Name: emily cohen **Perm Number:** 5622949

TA: Trevor ☐ Daniel ☐ Jeremy ☐ **Day:** T ☒ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ☒

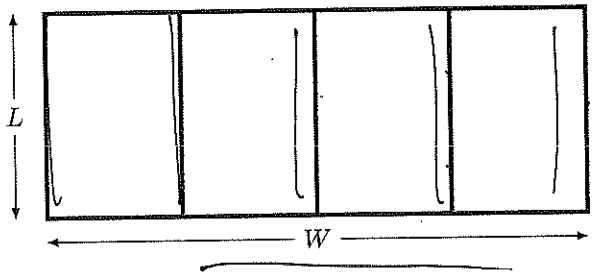
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the velocity of the ball at 2 seconds.

2) 35 is the speed of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



5L + 2W

$A = 1000\ m^2$

$LW = 1000$

$W = 1000/L$

$5L + 2W$

$5L + 2\left(\frac{1000}{L}\right)$

$= 5L + \frac{2000}{L}$

$P =$ $5L + \frac{2000}{L}$

uiznum8

Name: Stephanie Mita **Perm Number:** 8038481

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☒ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ☒

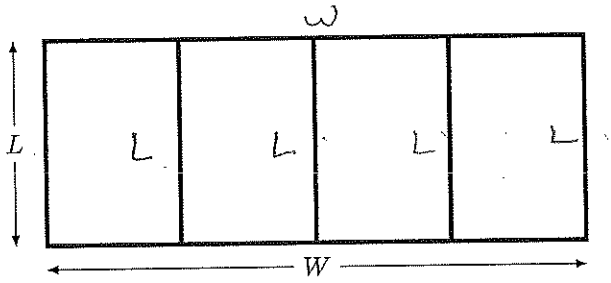
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [velocity] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$P = 2w + 5L$

$A = L \cdot W$

$w = \frac{1000}{L}$

$P = 2\left(\frac{1000}{L}\right) + 5L$

$\frac{1000}{L} = \frac{L \cdot W}{L}$

$P = \frac{2000}{L} + 5L$

$P =$ $\frac{2000}{L} + 5L$

uiznum8

Name: Annalise Evans **Perm Number:** 5301023

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☒ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ☒

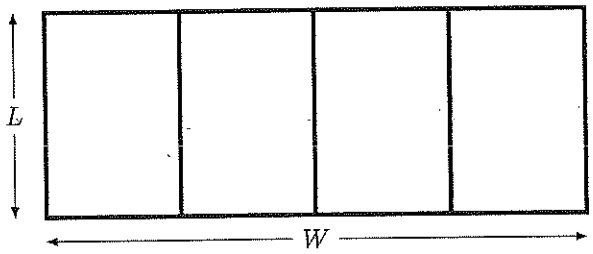
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the velocity of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = W \cdot L$

$1000 = W \cdot L$

$\frac{1000}{L} = W$

$P = 5L + 2W$

$P = 5L + 2\left(\frac{1000}{L}\right)$

$P = 5L + \frac{2000}{L}$

$P =$ $5L + \frac{2000}{L}$

uiznum8

Name: Crystal Mendoza **Perm Number:** 4138483

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ☑

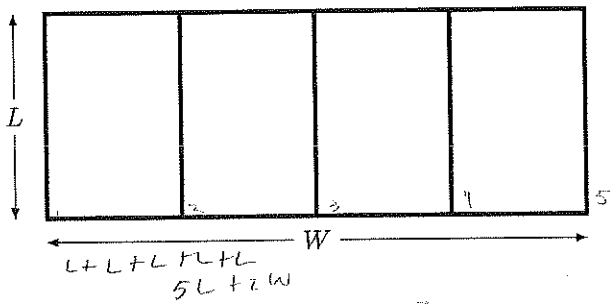
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [velocity] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = 1000 m^2$

$A = L \cdot W$

$P = L+L+W+W$

$= 2L+2W$

$= 5L+2W$

$LW = 1000$

$W = \frac{1000}{L}$

$LW = 1000$

$L = \frac{1000}{W}$

$2L+2W = 1000$

$2W = 1000-2L$

$W = \frac{1000-2L}{2}$

$2L = 1000-2W$

$L = \frac{1000-2W}{2}$

$5L+2W = 1000 m^2$

$5(1000-2L)+2L\left(\frac{1000-2L}{2}\right) = 1000$

$\frac{5000-10L}{2} + 1000-2L$

$5L+2W = 1000$

$\frac{2W}{2} = \frac{1000-5L}{2}$

$W = 1000-5L$

$5L+2W = 1000$

$\frac{5L}{5} = \frac{1000-2W}{5}$

$L = \frac{1000-2W}{5}$

$P =$ $\frac{5000-10L}{2} + 1000-2L$

uiznum8

Name: Miliani Leyva-Benitez **Perm Number:** 3954120

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ☑

Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

velocity speed direction

$40 - 10t$

$40 - 10(2) = 20$

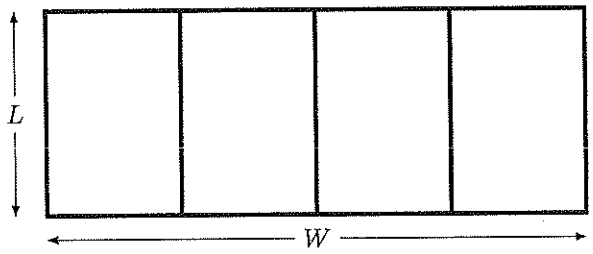
1) 20 is the velocity of the ball at 2 seconds.

$40(1) - 5(1)^2$

$40 - 5 = 35$

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$\frac{W}{4}$

$P = 2L + 2(A/L)$

$P = 2L + 1000/L$

$1000 = 1 \cdot w$

$P = 2L + 2w$

$P = 2L + 2(\frac{w}{4})$

$P = 2L + 2(A/4)$

$P = 2L + 2A/L$

$P = 2L + 4(1000)/L$

$A = 1 \cdot \frac{w}{4}$

$4A = 1 \cdot w$

$\frac{4A}{L}$

$A = 1000\ m^2$

$A = 1 \cdot w$

$\frac{A}{w} = L$

$\frac{A}{L} = w$

$\frac{1000}{L} = w$

$P = 2L + 2w$

$P = 2L + 2(\frac{4A}{L})$

$P = 2L + \frac{8A}{L}$

$P = 2L + \frac{8000}{L}$

$P =$ $2L + \frac{8000}{L}$

uiznum8

Name: Anahi Pimentel **Perm Number:** 4206882

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ☑

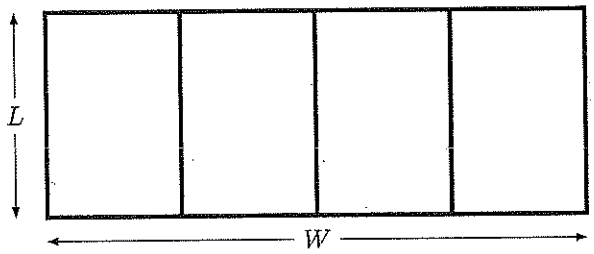
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the velocity of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = b \cdot h$

$\frac{1000\ m^2}{L} = \frac{w \cdot L}{L}$

$w = 1000\ m$

$1000 = \frac{1000}{L} \cdot L$

$P = 2(w) + 5(L)$

$P = 2\left(\frac{1000}{L}\right)$ $\frac{2000\ m^2}{L}$

$P = \frac{2000}{L} + 5(L)$

$P = \boxed{\frac{2000\ m^2}{L} + 5(L)}$

Quiznum8

Name: Erick Castillo **Perm Number:** 5900857

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☑ 7 ☐

Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

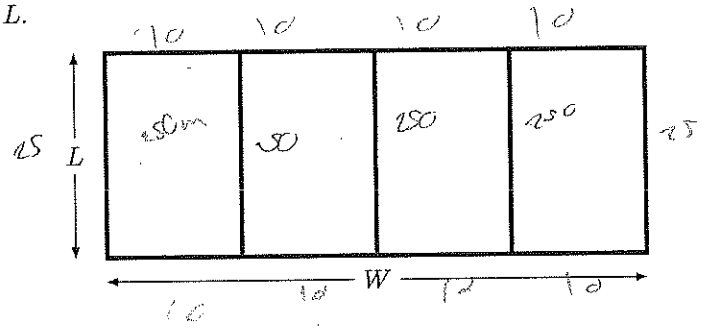
$h'(2) = 20$ $h(1) = 40t - t^2$

$h(1) = 35$

1) 20 is the [height] of the ball at 2 seconds.

2) 35 is the [speed] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



1000 m^2

$P = 130$

$L(2) + 80$

$P =$ $L(2) + 80$

uiznum8

Name: Max. Levin Perm Number: 4984886

TA: Trevor ☒ Daniel ☐ Jeremy ☐ Day: T ☐ R ☐ Time: 8 ☐ 5 ☐ 6 ☒ 7 ☐

$\frac{d}{dx}(x^n) = nx^{n-1}$

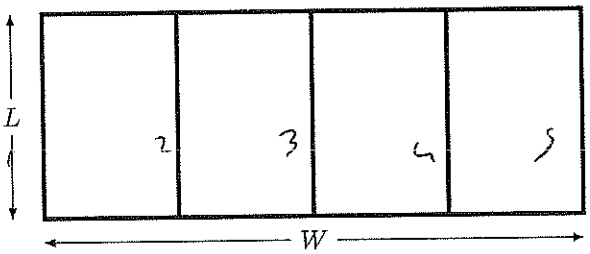
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the | Speed (or Velocity?) | of the ball at 2 seconds.

2) 35 is the | height | of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = 1000\,m^2$

$P = 2L + 2w$

$A = (L)(w)$

$4L$ $\quad$ 4

$5L + 2w = P$

$P - 2w = 5L$

$\frac{P-2w}{5} = L$

$P = 2L + 2w$

$P - 2w = 2L$

$\frac{P-2w}{2} = L$??

$P =$

$P = (4L)(3L)$

$P = \boxed{(4L)(3L)}$

uiznum8

Name: Ray Hernandez **Perm Number:** 5714902

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☒ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☒ 7 ☐

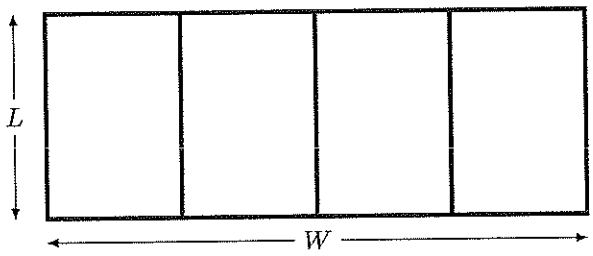
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the height of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = 1000\,m^2$ $L \cdot W = 1000\,m^2$ $P = 5L + 2W$

$1000\,m^2$ $W = \frac{1000\,m^2}{L}$ $P = 5L + 2\left(\frac{1000\,m^2}{L}\right)$

$P =$ $5L + \frac{2000\,m^2}{L}$

uiznum8

Name: Jessica Amezcua **Perm Number:** 5714381

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☒ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☒ 7 ☐

Quiz 8

nx^{n-1}

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

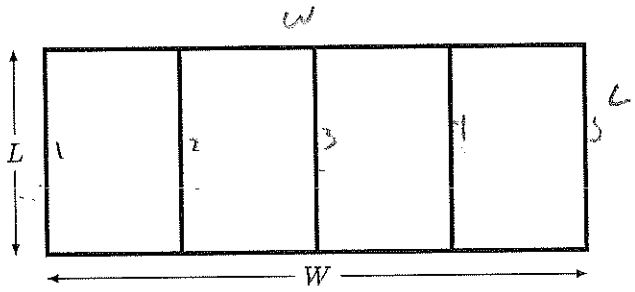
$40(1) - 5(1)$
$40 - 5 = 35$

$h'(2)$ = derivitive

1) 20 is the derivitive of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$1000 = A$

$A = L \cdot w$

$1000 = L \cdot w$

$L = \frac{1000}{w}$

$w = \frac{1000}{L}$

$5L + 2w =$

$5\left(\frac{1000}{w}\right) + 2\left(\frac{1000}{L}\right) = 5L + 2\left(\frac{1000}{L}\right)$

$\frac{5000}{w} + \frac{2000}{L}$

$5L + \frac{2000}{L}$

$P = 5L + \frac{2000}{L}$

uiznum8

Name: Alvaro Marquez **Perm Number:** 6659-6506

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☑ 7 ☐

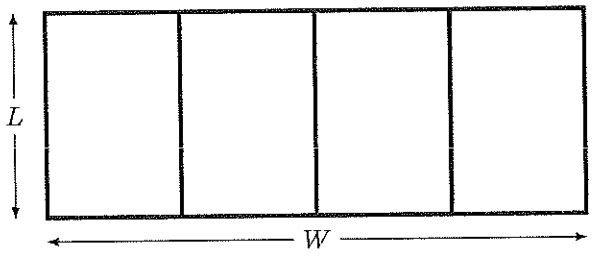
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the distance of the ball at 2 seconds.

2) 35 is the speed of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$P = 2L + 2w$

$P = 2l + 2\left(\frac{1000}{l}\right)$

$\frac{2000}{2l}$

$A = 1000m^2$

$\frac{l \cdot w}{l} = \frac{1000m^2}{l}$

$w = \frac{1000m^2}{l}$

$P = \frac{2l + 2000}{l}$

uiznum8

Name: Toha Hossain **Perm Number:** 57557406

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☑ 7 ☐

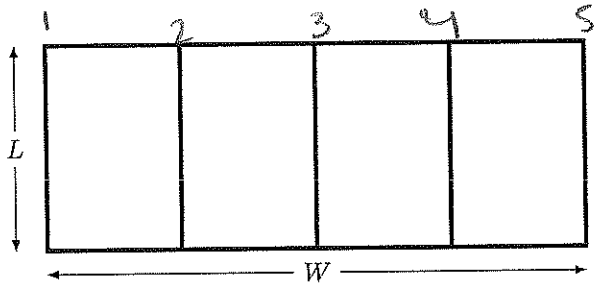
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the derivative of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = lw$

$1000 = 5l + 2w$

$2w = 1000 - 5l$

$w = \frac{1000 - 5l}{2}$

$P = w + l$

$P = \frac{1000 - 5l}{2} + 5l$

uiznum8

Name: Odalys Ortiz **Perm Number:** 6065536

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☒ 7 ☐

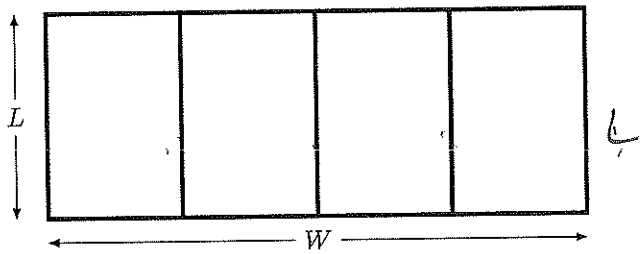
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the Derivative of the ball at 2 seconds.

2) 35 is the Height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = 1000m^2$

$L \times W = 1000$

$W = \frac{1000}{L}$ $2\left(\frac{1000}{L}\right)$

$P =$ $2\left(\frac{1000}{L}\right) + 5L$

uiznum8

Name: Mariah Ford **Perm Number:** 6144893

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☑ 7 ☐

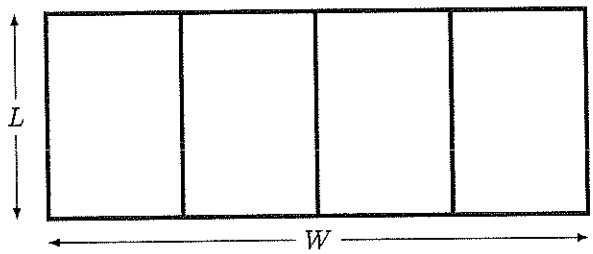
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [distance] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$W = \frac{1000}{L}$

$1000 = L \times W$

$P = 5L + 2W$

$P = 2L + 2W$

$P = 5L + 2\left(\frac{1000}{L}\right)$

$P = 5L + \frac{2000}{L}$

$P =$ $5L + \frac{2000}{L}$

uiznum8

Name: Sean Andampaw **Perm Number:** 6120505

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☒ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☒ 7 ☐

Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

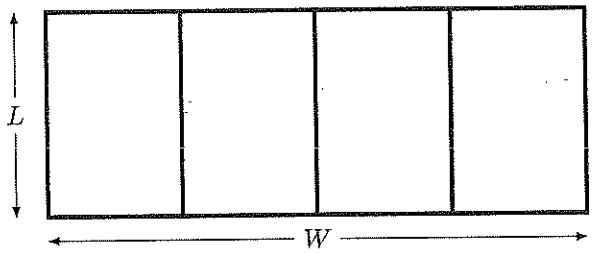
1) 20 is the Velocity of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

$40(2) - 5(2)^2$

$80 - 20 = 60$

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = L \cdot W$

$1000 = L \cdot W$

$W = \frac{1000}{L}$

$P = 5L + 2\left(\frac{1000}{L}\right)$

$P =$ $5L + 2\left(\frac{1000}{L}\right)$

uiznum8

Name: Colin Gallivan **Perm Number:** 5862735

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day**: T ☑ R ☐ **Time**: 8 ☐ 5 ☐ 6 ☑ 7 ☐

Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

$40 - 10t$

$40 - 10(2)$

$= 20$

1) 20 is the velocity of the ball at 2 seconds.

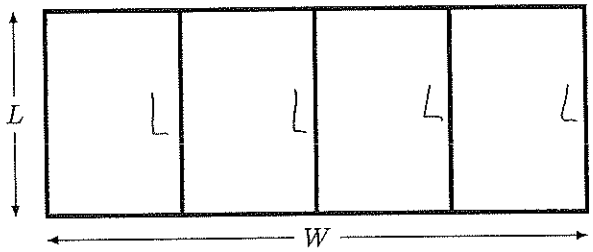
2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.

$A = 1000$

$\frac{1000}{L} = \frac{LW}{L}$

$w = \frac{1000}{L}$



$P = 5L + 2w$

$P = 5L + 2\left(\frac{1000}{L}\right)$

$P = 5L + \frac{2000}{L}$

$P =$ $5L + \frac{2000}{L}$

uiznum8

Name: Zoey Jasmine Moody **Perm Number:** 4564137

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☑ 7 ☐

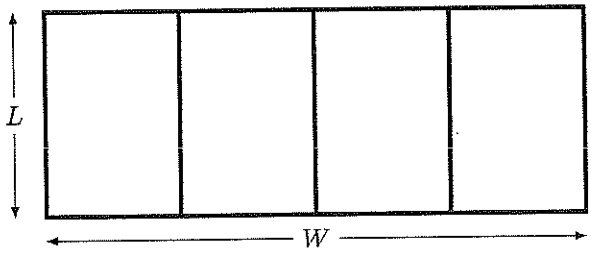
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the speed rate of change of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



L total length of fence you need to make the fenced parts

A: 1000 m^2

A: Lw

P: $2L + 2w$

P: $2L + 2\left(\frac{1000}{L}\right)$

$\frac{1000}{L} = \frac{Lw}{L}$

$\frac{1000}{L} = w$

$P =$ $2L + 2\left(\frac{1000}{L}\right)$

uiznum8

Name: Hidei Spanke **Perm Number:** 5958525

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☒ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☒ 7 ☐

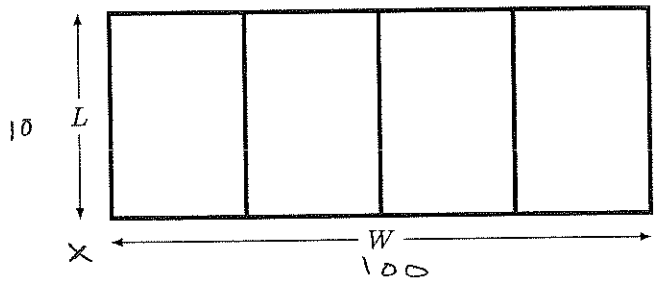
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [velocity] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



total L + a make

$A = 1000m^2 = 10 \times 100m$

$A = L \times w$

$\frac{A}{L} = w$

$\frac{1000}{L} = w$

$P = 2L + 2w$

$P = 2L + 2\left(\frac{1000}{L}\right)$

$P = 2L + \frac{2000}{L}$

$P =$ [$2L + \frac{2000}{L}$]

uiznum8

Name: Natasha Gavriloff Perm Number: 6773113

TA: Trevor ☒ Daniel ☐ Jeremy ☐ Day: T ☒ R ☐ Time: 8 ☐ 5 ☐ ~~6~~ ☐ ~~7~~

Quiz 8

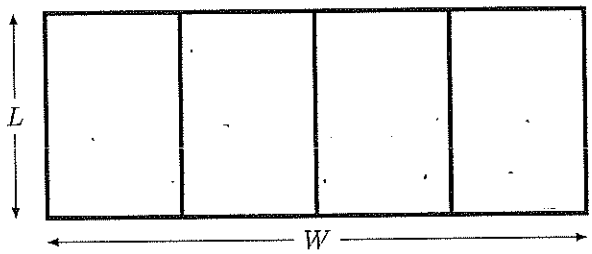
In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

80 - 20 = 60 ≠ 20

1) 20 is the velocity of the ball at 2 seconds. $20 = 40(2) - 5(2)^2$ = derivative

2) 35 is the speed of the ball at 1 second. $35 = 40(1) - 5(1)$, $35 = 35$

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the ~~perimeter~~ total length of the fence as an expression **only using** L.



$5L + 2\left(\frac{1000}{L}\right)$

$\frac{1000}{L}$

$LW = 1000$

$W = \frac{1000}{L}$

$P =$ $5L + 2\left(\frac{1000}{L}\right)$

uiznum8

Name: Kellen Beckett **Perm Number:** 4794605

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☑ 7 ☐

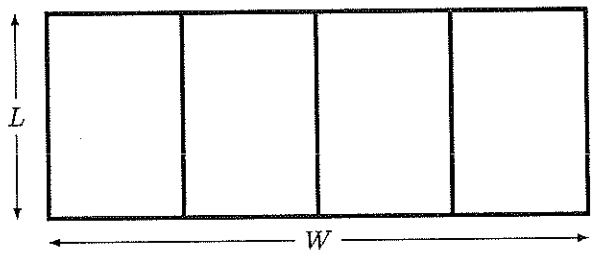
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the velocity of the ball at 2 seconds.

2) 35 is the velocity of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



1000 m^2

$P =$ $5L + 2\left(\frac{1000}{L}\right)$

uiznum8

Name: Rebecca Kabel **Perm Number:** 5084769

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☑ 7 ☐

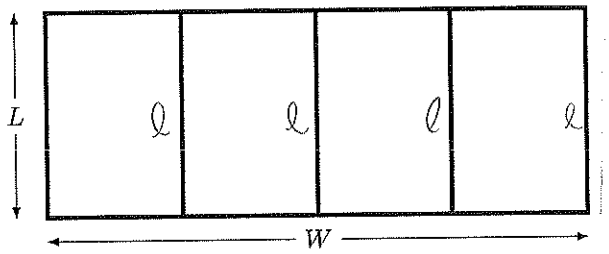
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the speed of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$\ell \cdot W = 1000 \quad W = \frac{1000}{\ell}$

$P = 5\ell + 2w$

$P = 5\ell + 2\left(\frac{1000}{\ell}\right) \Rightarrow 5\ell + \frac{2000}{\ell}$

$P =$ $5L + \frac{2000}{L}$

uiznum8

Name: Vivian de Waart **Perm Number:** 5177530

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☑ 7 ☐

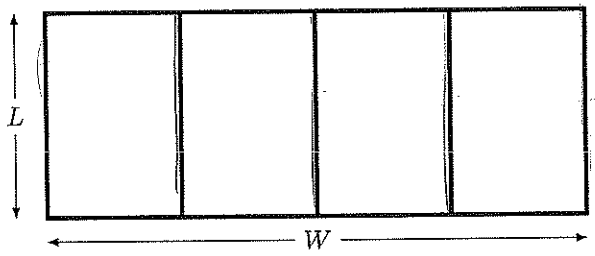
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [speed] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = 1000$

$A = l \cdot w$

$1000 = l \cdot w$

$w = \frac{1000}{l}$

$P = 5l + 2w$

$P = 5l + \frac{2000}{l}$

$P =$ [$5l + \frac{2000}{l}$]

uiznum8

Name: Mac Cutler **Perm Number:** 5808563

TA: Trevor ☐ Daniel ☒ Jeremy ☐ **Day:** T ☐ R ☒ **Time:** 8 ☐ 5 ☒ 6 ☐ 7 ☐

Quiz 8

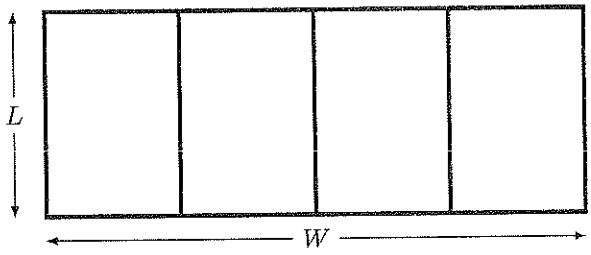
In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

$h(t) = 40t - 5t^2$

1) 20 is the [speed] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$P = 2w + 4L$

$1000 = 2w + 4L$
$-4L$
$\frac{1000 - 4L}{2} = 2w$

$w = 500 - 2L$

$P = 2(500 - 2L) + 4L$

$\frac{2w}{2} = \frac{1000}{2} - \frac{4L}{2}$

$w = 500 - 2L$

$P = 2(500 - 2L) + 4L$
$P = 1000 - 4L + 4L$

$P =$ [$2(500 - 2L) + 4L$]

uiznum8

Name: Elika Zahedi **Perm Number:** 3947280

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☒ 6 ☐ 7 ☐

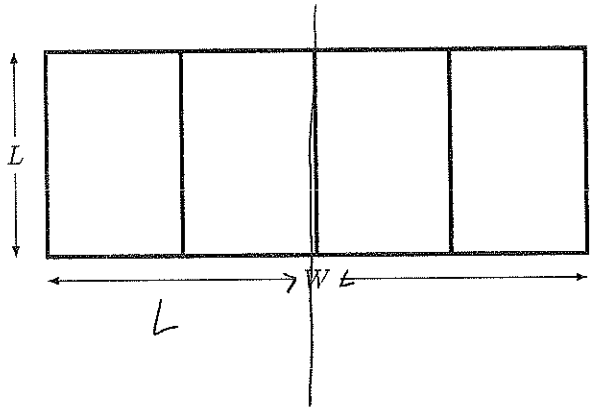
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the average speed of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$a = 1000\ m^2$

$p = 2L + 2W$

$P = 6L$

$P =$ $\frac{L + 2000}{L}$

uiznum8

Name: Aiden Afrasiabi Perm Number: 5229869

TA: Trevor ☒ Daniel ☐ Jeremy ☐ Day: T ☒ R ☐ Time: 8 ☐ 5 ☒ 6 ☐ 7 ☐

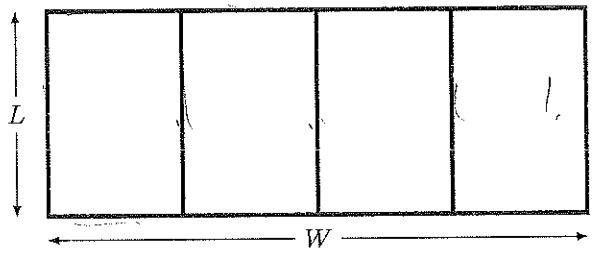
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [height (m)] of the ball at 2 seconds.

2) 35 is the [height (m)] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$l \times w = 1000$

$A = 1000$

$P = 5l + 2w$

$5l + 2w$

$w = \frac{1000}{l}$

$5l \times 2w = 1000$.

$P =$ [$5l + 2\left(\frac{1000}{l}\right)$]

uiznum8

Name: Taylor Iden **Perm Number:** 5709415

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☒ 6 ☐ 7 ☐

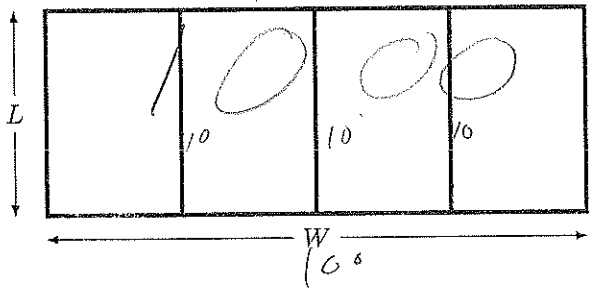
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the Derivitive of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$P = 2L + 2W$

For All fencing

$P =$ $25L$

uiznum8

Name: Ian Huang Perm Number: 3926909

TA: Trevor ☑ Daniel ☐ Jeremy ☐ Day: T ☑ R ☐ Time: 8 ☐ 5 ☑ 6 ☐ 7 ☐

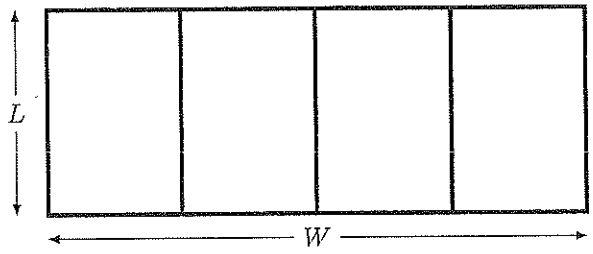
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the derivative of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = 1000\ m^2$

$A = L \cdot W$

$1000 = L \cdot W$

$W = \frac{1000}{L}$

$P = 5L + 2W$

$P = 5L + 2\left(\frac{1000}{L}\right)$

$P = 5L + \frac{2000}{L}$

$P =$ $5L + \frac{2000}{L}$

uiznum8

Name: Anyi Zhao **Perm Number:** X3070 60

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☑ 5 ☐ 6 ☐ 7 ☐

Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

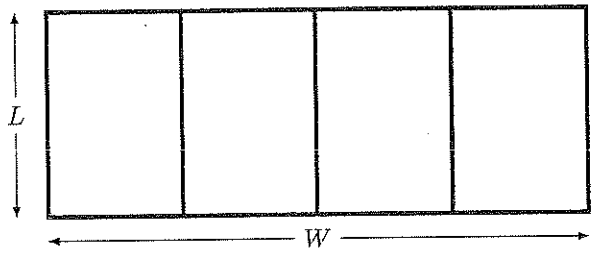
1) 20 is the changing-speed ~~change height~~ of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.

$W = \frac{1000}{L}$

~~total~~ total length of fence



$5L + \frac{1000}{L}$

$P =$ $5L + \frac{1000}{L}$

uiznum8

Name: Desiree Espinoza **Perm Number:** 4736211

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☒ 6 ☐ 7 ☐

Quiz 8

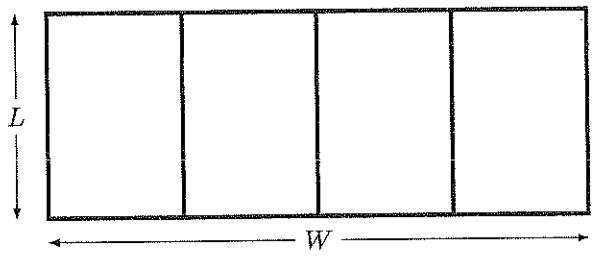
In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the RATE of the ball at 2 seconds.

2) 35 is the Height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.

total length



$5L$

area = $1000\ m^2$

$W = \frac{1000\ m^2}{L}$

$P =$ $5L + 2$

uiznum8

Name: Riley Clark **Perm Number:** 5155312

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☐ 7 ☐

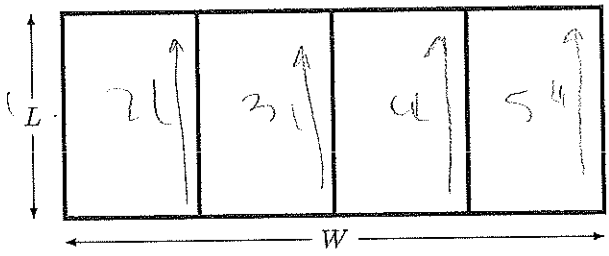
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [rate] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$P = 5L + 2W +$ 5L 2W

$A = L \cdot W$

$1000 = L \cdot W$

$W = \frac{1000}{L}$

$P = 5L + \frac{2000}{L}$

$P =$ $5L + \frac{2000}{L}$

uiznum8

Name: Christopher Bailey **Perm Number:** 6085534

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☐ 5 ☐ 6 ☑ 7 ☐

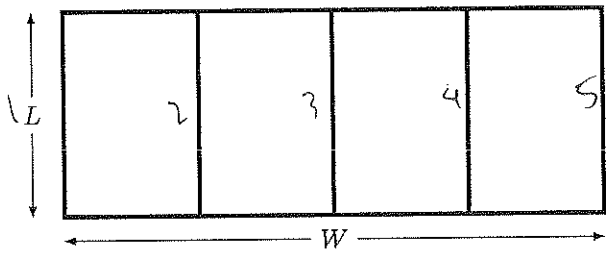
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [speed] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$\frac{1000}{L} = W$

$1000 = W \cdot L$

$P = 2W + 5L$

$P = 2\left(\frac{1000}{L}\right) + 5L$

$P = \frac{2000}{L} + 5L$

$P =$ $\frac{2000}{L} + 5L$

uiznum8

Name: Zoe Albornoz Perm Number: 6497796

TA: Trevor ☑ Daniel ☐ Jeremy ☐ Day: T ☑ R ☐ Time: 8 ☐ 5 ☑ 6 ☐ 7 ☐

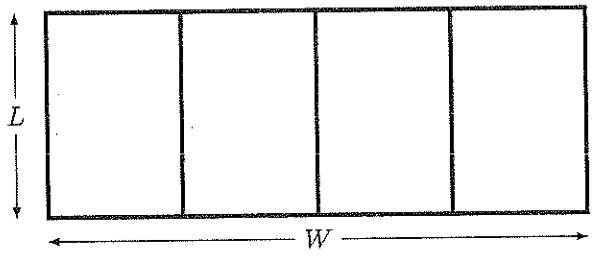
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the speed of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = LW = 1000$

$W = \frac{1000}{L}$

~~$P = 2L + 2W \rightarrow 2L + 2\left(\frac{1000}{L}\right) =$~~

$P = 5L + 2W \rightarrow 5L + 2\left(\frac{1000}{L}\right)$

$\rightarrow 5L + \frac{2000}{L} \rightarrow \frac{5L^2 + 2000}{L}$

$P =$ $5L + \frac{2000}{L}$

uiznum8

Name: Joelle Haddad Perm Number: 4700282

TA: Trevor ☒ Daniel ☐ Jeremy ☐ Day: T ☒ R ☐ Time: 8 ☐ 5 ☒ 6 ☐ 7 ☐

Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

$40(2) - 5(2)^2$

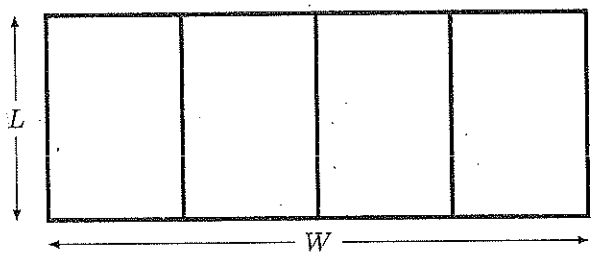
$80 - 20 = 60$

$40 - 10t$

1) 20 is the tangent of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression only using L.



$1000\,m^2 = L \cdot W$

$\frac{1000\,m^2}{L} = \frac{L \cdot W}{L}$

$5L + 2W$

$5L + \frac{2000}{L}$

$P =$ $5L + \frac{2000}{L}$

uiznum8

Name: Yang Li **Perm Number:** 3996188

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☐ 5 ☑ 6 ☐ 7 ☐

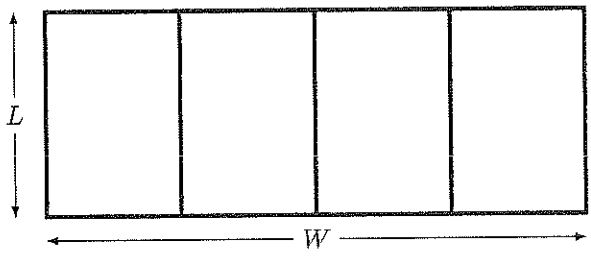
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the speed of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$\left(\frac{1000}{L} \times 2\right) + 3L + 2L$

$\frac{2000}{L} + 5L$

$P = \frac{2000 + 5L^2}{L}$

uiznum8

Name: Harper Giordano **Perm Number:** 5884150

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☐ 5 ☑ 6 ☐ 7 ☐

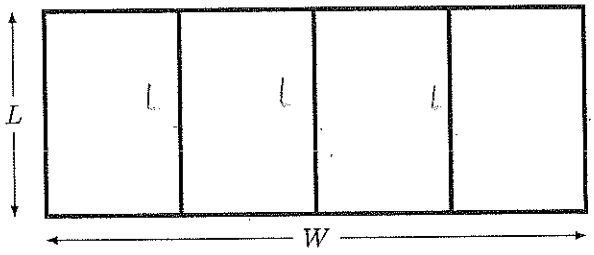
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [speed] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$P = 2L + 2W + 3L$

$A = 1000$

$A = L(W)$

$1000 = L(W)$

$W = \frac{1000}{L}$

$P = 2L + 2\left(\frac{1000}{L}\right) + 3L$

$P = 5L + \frac{2000}{L}$

$P =$ $5L + \frac{2000}{L}$

uiznum8

Name: Marc Nunez Perm Number: 8042103

TA: Trevor ■ Daniel ☐ Jeremy ☐ **Day**: T ■ R ☐ **Time**: 8 ☐ 5 ☐ 6 ☐ 7 ☐ 4 ■

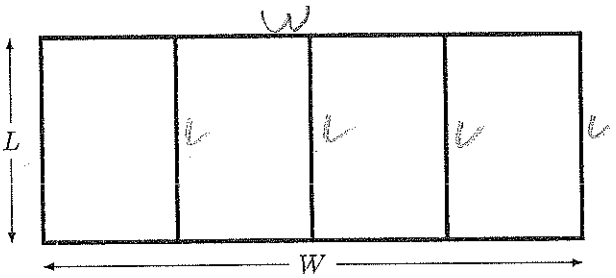
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [speed] of the ball at 2 seconds.

2) 35 is the [distance] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



L: 10
W: 100

$\frac{2000}{10} + 5(10)$

$200 + 50 = 250 = P$

$2(100) + 5(10) = 200 + 50$

$250 = P$

$A = 1000 m^2$

$A = L \cdot W$

$1000 = L \cdot W$

$W = \frac{1000}{L}$

$P = 2W + 5L$

$2\left(\frac{1000}{L}\right) = \frac{2000}{L}$

$P = \frac{2000}{L} + 5L$

$P =$ [$\frac{2000}{L} + 5L$]

uiznum8

Name: Ela Schulz **Perm Number:** 6895183

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☐ 5 ☑ 6 ☐ 7 ☐

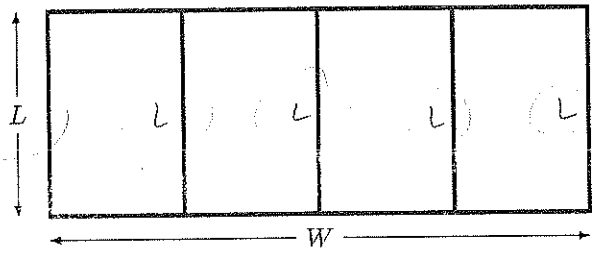
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [rate] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = L \cdot W$

$1000 = L \cdot W$

$W = \frac{1000}{L}$

$A = L \cdot W$

$\frac{1000}{L} = \frac{4W}{4}$

$W = \frac{1000}{L}$

$5L + 2\left(\frac{1000}{L}\right)$

$5L + 2\left(\frac{1000}{L}\right)$

$P = 5L + 2W$

$P =$ $5L + 2\left(\frac{1000}{L}\right)$

uiznum8

Name: CONNELL TRAINOR Perm Number: 6872899

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day**: T ☑ R ☐ **Time**: 8 ☐ 5 ☑ 6 ☐ 7 ☐

Quiz 8

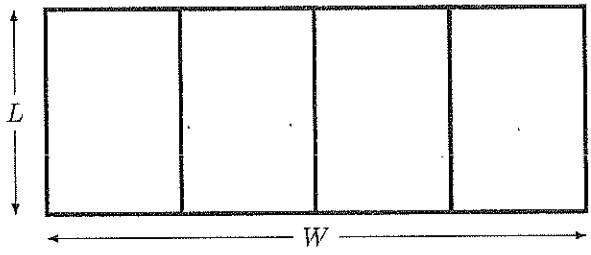
In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [speed (m/s)] of the ball at 2 seconds.

2) 35 is the [height (m)] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.

↓ total fence



$A = 1000$

$P = 5L + 2W$

$L \times W = 1000$

$W = \frac{1000}{L}$

$P = 5L + \frac{2000}{L}$

$P =$ [$5L + \frac{2000}{L}$]

uiznum8

Name: Nathan Starkovich Perm Number: 4191813

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day**: T ☒ R ☐ **Time**: 8 ☐ 5 ☒ 6 ☐ 7 ☐

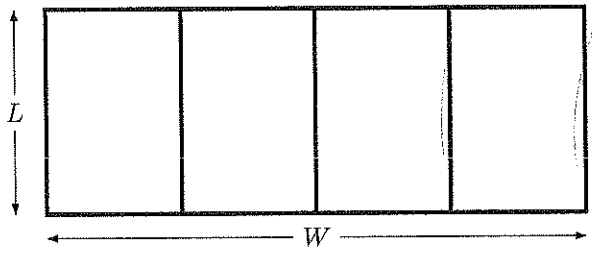
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [Speed] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$L \cdot W = 1000$

$W = \frac{1000}{L}$

$P = 2w + 5L$

$P = \frac{2000}{L} + 5L$

$P =$ [$\frac{2000}{L} + 5L$]

uiznum8

Name: Noelle Magana Perm Number: G21504446

TA: Trevor ☑ Daniel ☐ Jeremy ☐ Day: T ☑ R ☐ Time: 8 ☑ 5 ☐ 6 ☐ 7 ☐

Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

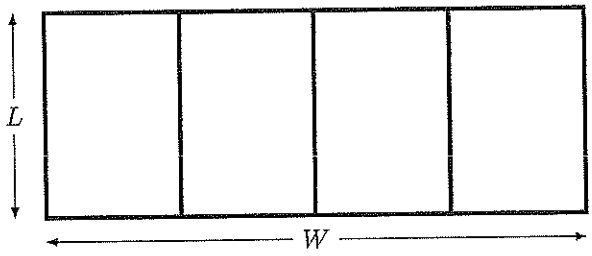
$-10t + 40$

$-20 + 40 = 20$

1) 20 is the Fall of the ball at 2 seconds.

2) 35 is the height of the ball above the ground at 1 sec of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression only using L.



divided 4 parts

2no

$P = 2l + 2w$

$A = l \cdot w$

$P = 2\left(\frac{250}{l}\right) + 2$

$2w = \frac{1000}{4} = l \cdot w$

$\frac{250}{l} = w$ $P = \frac{500}{l} + 2l$

$P = \boxed{\frac{500}{l} + 2l}$

uiznum8

Name: Isabella Agrusa **Perm Number:** 3962537

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☒ R ☐ **Time:** 8 ☒ 5 ☐ 6 ☐ 7 ☐

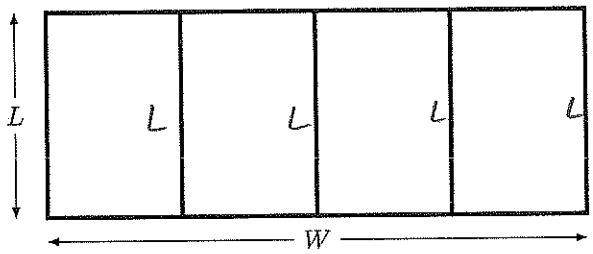
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the [Speed] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = 1000 m^2$

$A = L \cdot W$

$1000 = L \cdot W$

$\frac{1000}{L} = W$

$P = 2W + 5L$

$P = 2\left(\frac{1000}{L}\right) + 5L$

$P = \frac{2}{1}\left(\frac{1000}{L}\right) + 5L$

$P = \frac{2000}{L} + 5L$

$P =$ $\frac{2000}{L} + 5L$

uiznum8

Name: Fleurette Juda **Perm Number:** 5279351

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☑ 5 ☐ 6 ☐ 7 ☐

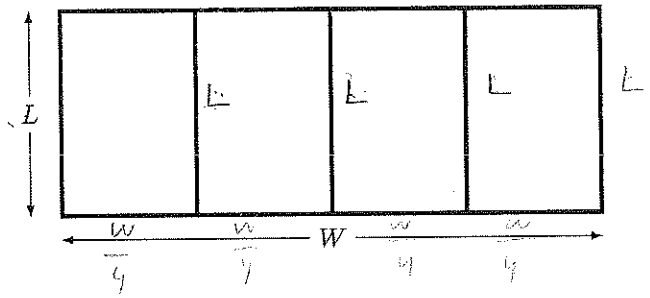
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the speed of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$5L + 2W$

$A = 1000$

$L \cdot W = 1000$

$W = \frac{1000}{L}$

$5L + 2\left(\frac{1000}{L}\right)$

$= 5L + \frac{2000}{L}$

$P = 5L + \frac{2000}{L}$

uiznum8

Name: Isabella Bishop **Perm Number:** 3760204

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☑ 5 ☐ 6 ☐ 7 ☐

slope @ that t: 2 is specifically 20

Quiz 8

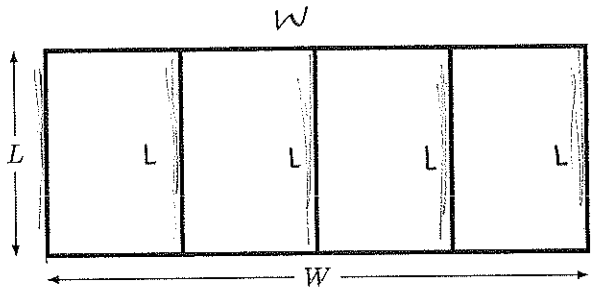
In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

↳ @ $t=1$, height is 35

1) 20 is the slope of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



total fencing

* isolate W

Area = $W \times L$

Perim = $2W + 5L$

$\frac{1000\,m^2}{L} = \frac{W \times L}{L}$

Plug in ← $W = \frac{1000}{L}$

Perim = $2\left(\frac{1000}{L}\right) + 5L$

$P =$ $\left(\left(\frac{2000}{L}\right) + 5L\right)$ m

uiznum8

Name: Victoria McNabb **Perm Number:** 5171038

TA: Trevor☒ Daniel☐ Jeremy☐ **Day:** T☒ R☐ **Time:** 8☒ 5☐ 6☐ 7☐

Quiz 8

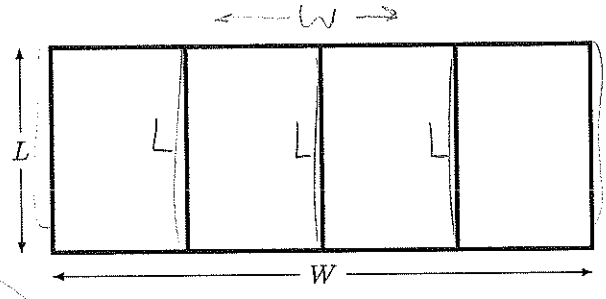
In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$. – at 1 second, ball = 35 m

change

1) 20 is the [Slope] of the ball at 2 seconds.

2) 35 is the [height] of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = L \times w$

$\frac{1000}{L} = \frac{L \times w}{L}$

$w = \frac{1000}{L}$

$P = 2L + 2w + 3L$

$P = 2L + 2\left(\frac{1000}{L}\right) + 3L$

$P = 5L + 2\left(\frac{1000}{L}\right)$

$5L + \frac{2}{1}\left(\frac{1000}{L}\right)$

$5L + \frac{2000}{L}$

$P =$ [$5L + \frac{2000}{L}$]

uiznum8

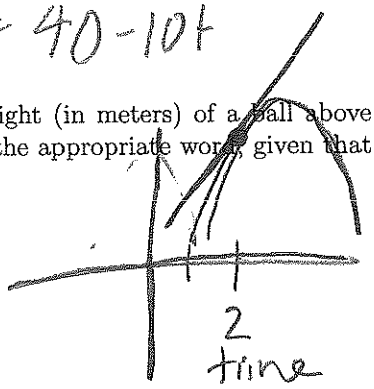
Name: Kat Brydson **Perm Number:** 5100805

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☑ 5 ☐ 6 ☐ 7 ☐

Quiz 8

$h'(t) = 40 - 10t$

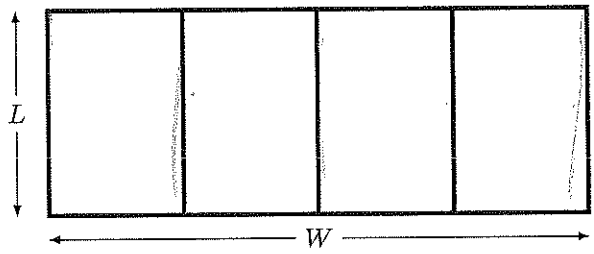
In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.



1) 20 is the velocity of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$l \cdot w = 1000\ m^2$ $2\left(\frac{1000}{l}\right) + l + l + l + l + l$

$w = \frac{1000}{l}$ $2\left(\frac{1000}{l}\right) + 5l$

$\frac{2000}{l} + 5l$

$P = \boxed{\frac{2000}{l} + 5l}$

uiznum8

Name: Maya cooks **Perm Number:** 6398730

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☐ R ☐ **Time:** 8 ☑ 5 ☐ 6 ☐ 7 ☐

Quiz 8

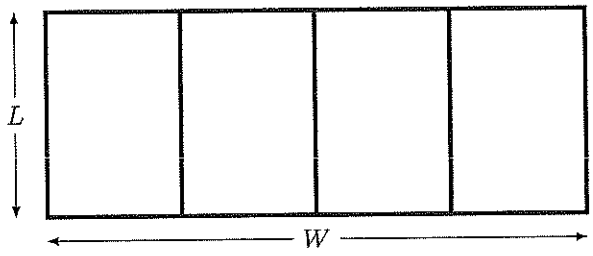
In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

40 80 − 20 40 80 − 20 40

1) 20 is the Speed of the ball at 2 seconds. 40 − 10 30

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$P = s^4$ $A = L \cdot W$

$P = L^4$ $\frac{A}{W}$ $\frac{A}{W}^4$

Area $= L \cdot W$ $100 \cdot 10$

$P =$ $\left(\frac{A}{W}\right)^4$

uiznum8

Name: LUCIA CARCAMO **Perm Number:** 6185995

TA: Trevor ☑ Daniel ☐ Jeremy ☐ **Day:** T ☑ R ☐ **Time:** 8 ☑ 5 ☐ 6 ☐ 7 ☐

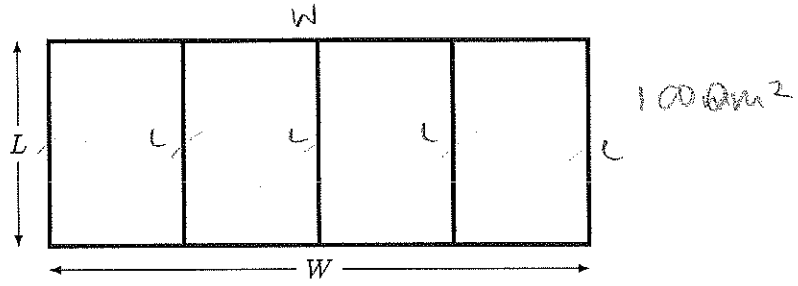
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the VELOCITY of the ball at 2 seconds.

2) 35 is the HEIGHT of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



1000 m^2

$1000 = \ell w$

$\frac{1000}{\ell} = w$

PERIMETER $= 2(w) + 5L$

$= 2\left(\frac{1000}{\ell}\right) + 5L$

$= \frac{2000}{L} + 5L$

$P =$ $\frac{2000}{L} + 5L$

uiznum8

Name: Mustpha Saeed Perm Number: 4744715

TA: Trevor ☒ Daniel ☐ Jeremy ☐ Day: T ☒ R ☐ Time: 8 ☒ 5 ☐ 6 ☐ 7 ☐

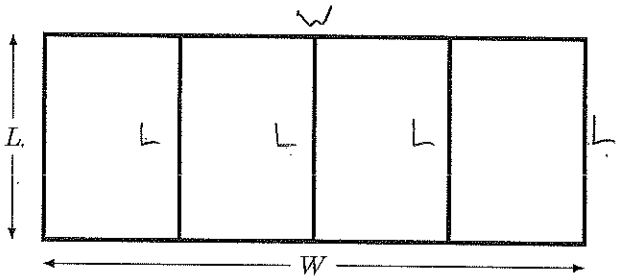
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the Slope of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$A = LW$

$A = 1000\,m^2$

$1000 = LW$

$\frac{1000}{L} = W$

$P = 5L + 2W$

$P = 5L + 2\left(\frac{1000}{L}\right)$

$= 5L + \frac{2000}{L}$

$= \frac{5L^2}{L} + \frac{2000}{L}$

$= \frac{5L^2 + 2000}{L}$

$P =$ $\boxed{5L + \frac{2000}{L}}$

uiznum8

Name: Bryan Vinh **Perm Number:** 5133277

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☒ R ☐ **Time:** 8 ☒ 5 ☐ 6 ☐ 7 ☐

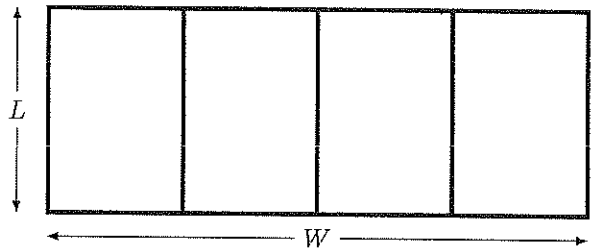
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

1) 20 is the slope of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$L \cdot W = 1000$

$W = \frac{1000}{L}$

$2W + 2L = P$

$P = 2\left(\frac{1000}{L}\right) + 2(L)$

$\frac{2000}{2L} + 5L$

$P =$ $\frac{1000}{L} + 5L$

uiznum8

Name: Justin Jose **Perm Number:** 5345780

TA: Trevor ☒ Daniel ☐ Jeremy ☐ **Day:** T ☒ R ☐ **Time:** 8 ☒ 5 ☐ 6 ☐ 7 ☐

Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

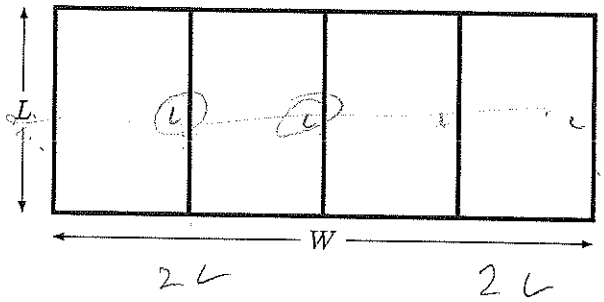
$40 - 10(2)$

$40 - 20 = 20$

1) 20 is the derivative of the ball at 2 seconds.

2) 35 is the height of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2. Write the perimeter as an expression **only using** L.



$5\overline{)1000}$ 200

$1000m^2 = L \times W$

$4L$

$W = 2L$

$100m^2 = L \times 4L$

$200 \times 5 = 1000$

$1000m^2 = L \times 2L$

$\frac{1000m^2}{2} = \frac{5L}{5}$

$4(200)$

$800 + 800$

1600

$200m = L$ $P =$ 2600 m