

P 207 Q 19 It says a rectangle and talks about the deck, so that's perimeter and maybe area.
 I know formulas $A = l \times w$ and $P = 2(l) + 2(w)$ or $P = 2(l + w)$

I need a picture

w

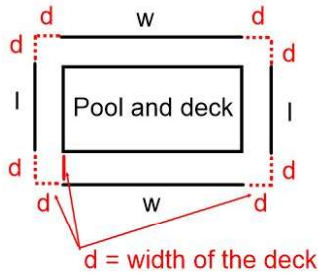
Pool

w

My Thinking

$P = 2(l + w)$
 $30 = 2(l + w)$

Now that we have figured out where to start this question, we can actually start to draw this question and figure it out.



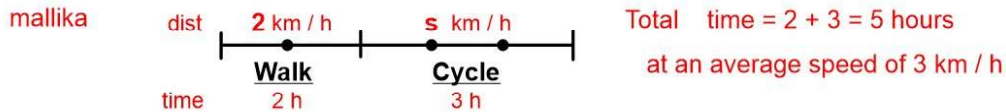
Actual work needed for full marks and Solution to Question

So now the length and width have 2 d attached to each
 $P = (d + w + d) + (d + l + d) + (d + w + d) + (d + l + d)$
 that's too long, if I organize better and have a good picture

$P = 2(l) + 2(w) + 8(d)$ that's better or
 $P = 2(l + w) + 8(d)$ that's the one I like best
 $P = 30 + 8(d)$ since

Now we have an actual algebra question that we can solve
 The question is quite easy from here but there was a lot of steps and

21 I consider this a grade 9 question, this is where the questions start and get harder.
 I need a picture there is too much info



I still need a formula for speed distance and time.
 Think my mom drives her car a 100 km / h for 3 hours how far does she go?
 Dist = 100 km / h x 3 hours = 300 kms
 So the formula is $d = s \times t$ $(\frac{km}{h}) \times h$ the hs cancels

Now I think I am ready to start, all this pre-thinking has to be done this is how math gets harder.

Trip = $D_{walk} + D_{cycle} = D_{total}$

$(2 \text{ km / h})(2 \text{ h}) + (s \text{ km / h})(3 \text{ h}) = (3 \text{ km / h})(5 \text{ h})$ I put units in here to ensure, they are the same, (km/h)(h)

$4 \text{ km} + 3(s) \text{ km} = 15 \text{ km}$ don't need units I was careful

Now its the algebra question I can solve, but a lot of thinking was needed to get to here.