

**Numeracy Year 9 – Week 4: Measurement; Chance and Data**

**STUDENT WORKSHEET**

**Focus of the week**

Converting between different units of measure for the same attribute

**Question 1**

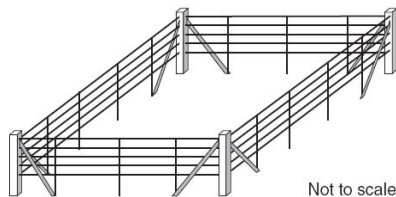
A clock shows that the time is 16:40.  
A television program starts at 5:30 pm.

How many minutes are there until the program begins?

- 50 minutes
- 70 minutes
- 90 minutes
- 110 minutes

**Question 2**


This rectangular paddock has a length of 580 metres and a width of 350 metres.



What is the area of the paddock in hectares?  
(One hectare is 10 000 square metres)


\_\_\_\_\_ hectares

Write the answer  
on the line.



**Question 3**

Write the answer  
on the line.



One square metre of solar panel produces  
about 100 kWh of electricity per year.

One MWh is 1 000 kWh.

Approximately how many **MWh** of  
electricity would 20 square metres of  
panels produce in one year?

\_\_\_\_\_ MWh



**Challenge Question**

A formula for converting degrees Fahrenheit (°F) to degrees Celsius (°C) is

$$C = \frac{5}{9} (F - 32)$$

Which one of the following is the correct equivalent temperature in  
degrees Celsius, to the nearest degree, for 86°F? (circle the correct  
answer)

- 18°C                  20°C                  30°C                  54°C