



1 Rosie is making dinner for her family.

They are having fish, potatoes and roasted vegetables.

The fish takes 16 minutes to cook.

The potatoes take 3 times as long as the fish to cook.

The fish takes twice as long as the vegetables to cook.

Rosie wants to eat at 5:45 p.m.

What time should she put each item in the oven?

Fish - 5:29 p.m.

Potatoes - 4:57 p.m.

Vegetables - 5:37 p.m.

2 Pasta takes $\frac{3}{4}$ of the time some chicken takes to cook.

Amir starts cooking the chicken at 11:50 a.m.

The chicken is ready at 12:14 p.m.



What time does Amir need to start cooking the pasta?

11:56 a.m.

3

The children are cooking roast chickens for Sunday dinner. The cooking instructions say that they need to cook the chicken for 40 minutes per kg plus an extra 20 minutes.

If Ron's chicken has a mass of 2 kg, how long does it need cooking for?



1 hours 40 minutes

Whitney's chicken has a mass of 1.5 kg. If she starts cooking at 16:00, what time will the chicken be ready?



17:20

Dexter works out that he needs to cook a chicken for 2 hours and 40 minutes.

What is the mass of his chicken?



3.5 kg

Write an algebraic formula for the time in minutes, T , needed to cook a chicken of mass, m , kg.

$T = 40m + 20$