

You are a student in a German secondary school in 1937. Today is your Maths lesson. Complete the following questions.

1. To keep a mentally ill person costs approximately 4RM per day and there are 300 000 mentally ill in care.

a) How much do these people cost to keep in total?

Answer:

b) How many marriage loans at 1000RM each could be granted from this money?

Answer:

2. A modern night bomber can carry 1800 incendiaries.

a) How long (in km) is the path along which it can distribute these bombs if it drops a bomb every second at a speed of 25km per hour?

Answer:

b) How far apart are the craters from one another?

Answer:

c) How many fires are caused if one third of the bombs hit their targets and, of these, one third ignite?

Answer:

3. The Jews are aliens in Germany. In 1933 there were 66 060 000 inhabitants of the German Reich of whom 499 862 were Jews. What is the percentage of aliens in Germany?

Answer:

4. The construction of a lunatic asylum costs 6 million RM. How many houses at 15 000RM each could have been built for that amount?

Answer:

5. A plane on take-off carries 12 bombs, each weighing 10kg. The aircraft makes for Warsaw, the centre of international Jewry. It bombs the town. On take-off with all bombs on board, and a fuel tank containing 1500kg of fuel, the aircraft weighed 8 tonnes (a tonne is equal to 1000kg). When it returns from the crusade, 230kg of fuel remains. What is the weight of the aircraft when it returns?

Answer:

Source 1: Hitler speaking in 1939

It is my great educative work I am beginning with the young. We older ones are used up. We are bearing the burden of a humiliating past. But my magnificent youngsters! Are there finer ones in the world? Look at these young men and boys! What material! With them I can make a new world.

Source 2: a girls' timetable from 1937

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1.	German	German	German	German	German	German
2.	Geography	History	Singing	Geography	History	Singing
3.	Race Study & Ideology	Race Study & Ideology	Race Study & Ideology	Race Study & Ideology	Race Study & Ideology	Race Study & Ideology
Break	<i>with sports and special announcements.</i>					
4.	Domestic Science	Mathematics	Domestic Science	Mathematics	Domestic Science	Mathematics
5.	Eugenics	Health Biology	Eugenics	Health Biology	Eugenics	Health Biology
Afternoon Activity (1pm-6pm)	Sport					

Tasks:**Read source 1**

1. What does source 1 suggest about Nazi education?

Look at source 2.

2. What do you think that students would have been taught about in History, and why?
3. Eugenics is the study of how to produce perfect offspring by choosing ideal qualities in the parents. How would girls studying this help the Nazis?
4. Why do you think that Sport features so prominently on the timetable?
5. What do you think the focus of Race Study & Ideology classes would have been?
6. The Mathematics questions you attempted earlier were designed for boys to answer. How might the questions have differed in a girls' school?

Teaching notes

The Mathematics exercise is designed to introduce students to the concept of indoctrination through the control of education. It works best with minimal teacher introduction – just allow the students to get on with the questions as if it were a Maths test. An answer sheet (with workings) is provided if you want to go through this.

You can then discuss the multi-layered purpose of these questions with the class.

After completing the questions you could show the short (03:46) video clip on indoctrination in Nazi Germany, available on the BBC Learning site:

<http://www.bbc.co.uk/learningzone/clips/indoctrination-in-nazi-germany/3282.html> .

Finally, two sources with accompanying questions are also included. Students could work individually or discuss the questions in pairs.

Answer sheet

1. To keep a mentally ill person costs approximately 4RM per day and there are 300 000 mentally ill in care.

- a) How much do these people cost to keep in total?

$$4 \times 300\,000 = 1\,200\,000\text{RM}$$

Answer: 1 200 000RM

- b) How many marriage loans at 1000RM each could be granted from this money?

$$1\,200\,000 \div 1000 = 1\,200$$

Answer: 1 200 loans

2. A modern night bomber can carry 1800 incendiaries.

- a) How long (in km) is the path along which it can distribute these bombs if it drops a bomb every second at a speed of 25km per hour?

$$1 \text{ bomb a second} = 60 \text{ a minute} = 3\,600 \text{ an hour}$$

So, with 1 800 bombs at the start, the bomber will run out after $\frac{1}{2}$ an hour ($1800/3600 = \frac{1}{2}$ an hour)

$$\frac{1}{2} \text{ of } 25\text{km} = 12.5\text{km}$$

Answer: 12.5 km

- b) How far apart are the craters from one another?

$$12.5\text{km} \div 1\,800 \text{ bombs} = 0.0069444\text{km}$$

$$= 6.74\text{m}$$

Answer: 6.74m

- c) How many fires are caused if one third of the bombs hit their targets and of these one third ignite?

$$1800 \div 3 = 600 \text{ hit targets}$$

$$600 \div 3 = 200 \text{ ignite}$$

Answer: 200 fires

3. The Jews are aliens in Germany. In 1933 there were 66 060 000 inhabitants of the German Reich of whom 499 862 were Jews. What is the percentage of aliens in Germany?

$$499\,862 \div 66\,060\,000 = 0.0075667$$

$$0.0075667 \times 100 = 0.76\%$$

Answer: 0.76%

4. The construction of a lunatic asylum costs 6 million RM. How many houses at 15 000RM each could have been built for that amount?

$$6\,000\,000 \div 15\,000 = 400 \text{ houses}$$

Answer: 400 houses

5. A plane on take-off carries 12 bombs, each weighing 10kg. The aircraft makes for Warsaw, the centre of international Jewry. It bombs the town. On take-off with all bombs on board, and a fuel tank containing 1500kg of fuel, the aircraft weighed 8 tonnes (a tonne is equal to 1000kg). When it returns from the crusade, 230kg of fuel remains. What is the weight of the aircraft when it returns?

$$12 \text{ bombs} \times 10\text{kg} = 120\text{kg of bombs}$$

$$8000 \text{ kg} - 120\text{kg (bombs)} - 1500\text{kg (fuel)} = 6380 \text{ weight of plane}$$

$$6380 + 230 \text{ kg (remaining fuel)} = 6610\text{kg}$$

Answer: 6610kg