

MULTIPLY AND DIVIDE INTEGERS

SKILLS QUESTIONS

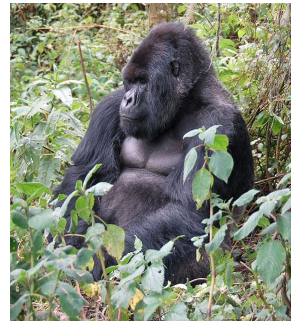
For each question, write the working with positive or negative symbols. Then work out the answer.

EXAMPLE

Coltan is a mineral need to make mobile 'phones. It is mined in Congo where Mountain Gorillas are dying from starvation due to habitat loss at the rate of 2 per week. How many will be lost in a year?

ANSWER

$$-2 \times 52 = -104$$



- Q1. On a cold Russian night, the temperature drops by 2 degrees every hour. What is the temperature decrease after 4 hours?
- Q2. A kayak travels 3 km every hour. How far will it travel in 5 hours?
- Q3. The incoming tide pushes a boat back 2 metres every second. How far will it be pushed back in a minute?
- Q4. The value of the dollar goes up by an average of 3 cents every year. How many cents will it have increased over 10 years?
- Q5. A school enrolls new students at the rate of 12 per day. How many will be enrolled by the end of 1 school week?
- Q6. Mani uses a credit card to buy shoes costing \$20 per pair. How much will he owe for 7 pairs of shoes?
- Q7. A chocolate bar contains 1800 calories. How many calories are in 3 chocolate bars?
- Q8. An athlete burns off 350 calories in a gym session. How many calories are lost in 5 sessions?
- Q9. Refer to Questions 7 and 8. If I eat 5 chocolate bars and then do 25 gym sessions, what will I have lost all the calories from the chocolate?

ANSWERS

Q1. $-2 \times 4 = -8$

Q2. $3 \times 5 = 15$

Q3. $-2 \times 60 = -120$

Q4. $3 \times 10 = 30$

Q5. $12 \times 5 = 60$

Q6. $-20 \times 7 = -140$

Q7. $1800 \times 3 = 5400$

Q8. $-350 \times 5 = 1750$

Q9. $(1800 \times 5) + (-350 \times 25) = 250$

No; Must do another gym session.