



Name _____ Class _____ Date _____

1 Math Challenge: Matt knew that the school's doorway was **3 meters** tall. He converted this to equal **300 centimeters**. Based on Matt's calculations, how many **centimeters** are in **1 meter**?

- A 30
- B 100
- C 1,000
- D 10



2 Math Challenge: If **1 kilogram** is equal to **1,000 grams**, how many **grams** are there in **5 kilograms**?

- A 50
- B 1,000
- C 5,000
- D 500



3 Math Challenge: Casey's bike odometer told her she rode **14,000 meters**. How many **kilometers** did Casey ride?

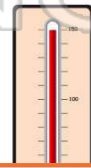
1 km = 1,000 m

- A 1.4 km
- B 140 km



4 Math Challenge: Damien's science teacher told him that **150° Celsius** equals **423° Kelvin**. How did the teacher **convert Celsius to Kelvin**?

- A multiply Celsius by 2
- B add 173 to Celsius
- C add 273 to Celsius



5 Multiple choice question with options A, B, C, D



PREVIEW

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7 Short answer question

- A the actual fossilized bones
- B drawings of modern birds
- C a model of the pterosaur based on its fossilized remains
- D none, it's not possible to determine this information



- A close your eyes tightly
- B look away
- C point the chisel down to eliminate rock chips
- D wear eye protection



9 Geologists need to be aware of taking all appropriate **safety precautions** to protect eyes, skin, limbs, and even clothing. True or false?

- A true
- B false



10 Which of the following are **new technologies** that have helped geologists discover new information and come to new hypotheses?

- A medical machines like CAT scan machines
- B deep sea submersibles (remote-controlled submarines)
- C computers
- D all of the above





ANSWER KEY

Math Challenge: Matt knew that the school's doorway was **3 meters** tall. He converted this to equal **300 centimeters**. Based on Matt's calculations, how many **centimeters** are in **1 meter**?

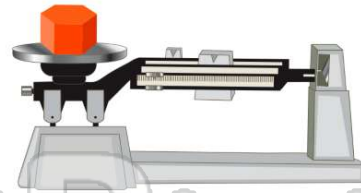
- A 30
- B 100
- C 1,000
- D 10



(b)

Math Challenge: If **1 kilogram** is equal to **1,000 grams**, how many **grams** are there in **5 kilograms**?

- A 50
- B 1,000
- C 5,000
- D 500



(c)

Math Challenge: Casey's bike odometer told her she rode **14,000 meters**.

How many **kilometers** did Casey ride?

1 km = 1,000 m

- A 1.4 km
- B 140 km
- C 1,400 km

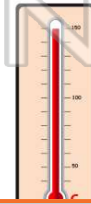


(d)

Math Challenge: Damien's science teacher told him that **150° Celsius** equals **423° Kelvin**.

How did the teacher **convert Celsius to Kelvin**?

- A multiply Celsius by 2
- B add 173 to Celsius
- C add 273 to Celsius
- D add 323 to Celsius



(c)



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- A a model of the pterosaur based on its fossilized remains
- B none, it's not possible to determine this information



- A look away
- B point the chisel down to eliminate rock chips
- C wear eye protection



Geologists need to be aware of taking all appropriate **safety precautions** to protect eyes, skin, limbs, and even clothing.

True or false?

- A true
- B false



(a)

Which of the following are **new technologies** that have helped geologists discover new information and come to new hypotheses?

- A medical machines like CAT scan machines
- B deep sea submersibles (remote-controlled submarines)
- C computers
- D all of the above



(d)