

Name: Class:

Comparing numbers using multiplication word problems

a.

Simon weighs 18.42 kilograms.

If his elder brother, Corbin, is 4 times as heavy, what is Corbin's weight?

b.

Ivy ate 3 times as many cupcakes as Jake. Jake ate 5 cupcakes.

How many cupcakes did Ivy eat?

c.

A pair of pants cost €28. A pair of shoes cost 3 times as much. Enzo buys a pair of pants and 8 pairs of shoes.

How much money did he spend?

d.

Phoenix gave Legend 5 toy robots and Adriel 3 times as many toy as Legend.

How many toy robots did Phoenix give Adriel?

e.

Emma ate 3 times as many cupcakes as Archer. Archer ate 6 cupcakes.

How many cupcakes did Emma eat?

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- a. Simon's weight = 18.42 kg
 Corbins' weight as compared to Simon's weight = 4 times as heavy as Simon
 Therefore, Corbin' weight = Simon's weight × Corbin' weight as compared to Simon's weight
 = 18.42 × 4 = ?

Let's multiply 1842 × 4

$$\begin{array}{r} 18\ 4\ 2 \\ \times \quad 4 \\ \hline 73\ 6\ 8 \end{array}$$

Then count numbers of digits after dot and move dot to the result at the right position
 Thus, 18.42 × 4 = 73.68

So, Corbins' weight is 73.68 kilograms.

b. Ivy ate 15 cupcakes.

c. He spent €700 in all.

d. Phoenix gave Adriel 15 toy robots.

e. Emma ate 18 cupcakes.