

1) a) Multiply $(-93)(-82)$

b) Divide $(-150) \div (+15)$

2) Devon withdrew \$6 each week for a total withdraw of \$48. Use integers to find the number of weeks the that he did this for.

10. Use Rules to find the Quotient (No Modeling)

a) $(+24) \div (+8)$ b) $(-20) \div (-5)$ c) $(+28) \div (-7)$ d) $(-25) \div (+5)$

e) $(-14) \div (+2)$ f) $(+18) \div (-9)$

Write a division equation for each word problem

- 12.** The temperature fell 4°C each hour for a total change of -20°C . Use integers to find the number of hours the change in temperature took.

17 Evaluate.

a) $(+9) \times (+10)$

b) $(+6) \times (-11)$

c) $(+96) \div (-16)$

d) $(+39) \div (+3)$

e) $(-8) \times (+6)$

f) $(-36) \div (+9)$

g) $(-44) \div (-4)$

h) $(-5) \times (-1)$

18) Find the missing term

a) $\underline{\hspace{1cm}} \div (-6) = (-10)$

b) $(+44) \div \underline{\hspace{1cm}} = (-4)$

c) $(+24) \div \underline{\hspace{1cm}} = (-6)$

c) $(+48) \div \underline{\hspace{1cm}} = (+4)$

d) $(+14) \times (-2) = \underline{\hspace{1cm}}$

e) $(-15) \times \underline{\hspace{1cm}} = (+105)$

f) $(\underline{\hspace{1cm}}) \div (-10) = (-5)$

g) $(-18) \times (-4) = \underline{\hspace{1cm}}$

h) $(-54) \div \underline{\hspace{1cm}} = (+9)$

i) $(\underline{\hspace{1cm}}) \div (-12) = (+96)$

Write a division equation for each word problem

- 11.** The temperature rose 3°C each hour for a total change of $+12^{\circ}\text{C}$. Use integers to find the number of hours the change in temperature took.

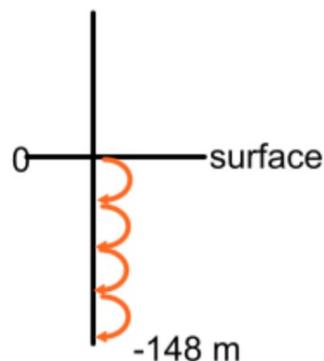
$$(+3) \times (?) = (+)$$

$$(+12) \div (+3) = (+4)$$

It took 4 hours

- 13.** A submarine was at the surface of the ocean. It made 4 identical plunges in a row. Its final depth was 148 m below sea level. What was the depth of each plunge? _____

$$(-148) \div (4 \text{ jumps down}) = (-37)$$

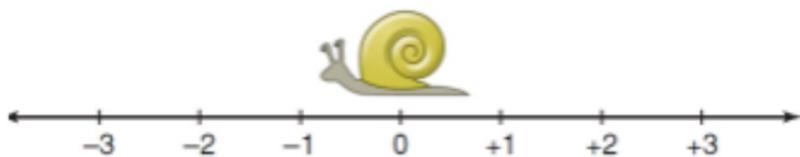


Each jump is -37m or 37m down

Show your thinking

- 18. Take It Further** Reena deposits \$4 into her savings account each week. Today, Reena's account has a balance of \$16.
- How many weeks from now will Reena's account have a balance of \$40?
 - What was the balance in Reena's account 2 weeks ago?
- Explain how you can use integers to model each situation.

- 16.** A snail travels along a number line marked in centimetres. A distance of 1 cm to the right is represented by +1. A distance of 1 cm to the left is represented by -1. The snail moves 6 cm to the left each minute. Jump size is 6 cm



Draw a model to represent each answer.

Write a division equation for each model.

- a)** The snail is at 0 now. After how many minutes will the snail be at -36 on the number line?

Snail is now at zero,

- b)** When was the snail at +18 on the number line?