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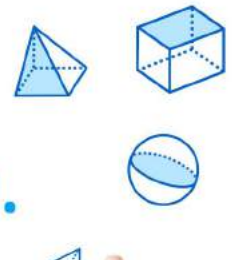

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MULTIPLYING INTEGERS WORKSHEETS

1) $-3 \times (-2) =$ ___

2) $(-5) \times$ ___ $= 10$

3) $(-6) \times (-11) \times 5 =$ ___

4) $(-7) \times (-2) \times$ ___ $= -70$

5) Fill the following table by multiplying the corresponding integers.

×	-3	-12
4		
-5		

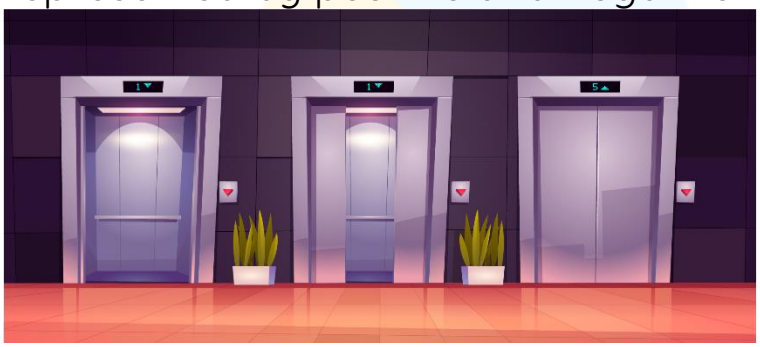
6) Verify the associative property of multiplication for the integers a = -5, b = -2, and c = -3.
i.e., verify whether $a \times (b \times c) = (a \times b) \times c$.

7) The product of four negative integers is a _____
a) positive integer
b) negative integer
c) either a positive or a negative integer

8) A stock loses 3 points every hour for 5 hours. Write an integer that represents the total points that the stock lost in 5 hours.

9) Find (-7) × [30 + (-5)] using the distributive property.

10) An elevator descends at the rate of 7 meters per minute. What integer would represent its position after an hour if the distances above and below the ground are represented by positive and negative integers respectively.



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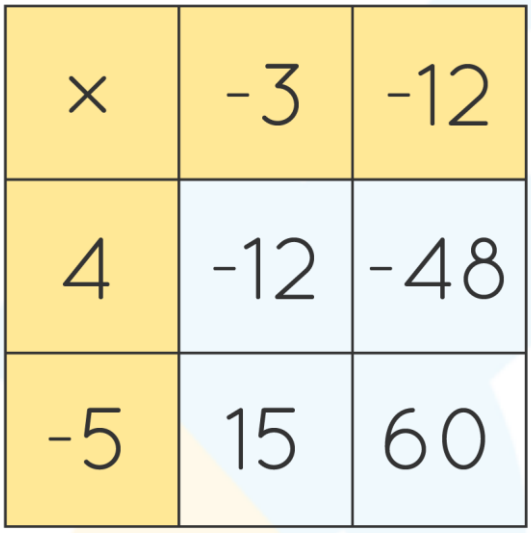
ANSWERS

1)	6
2)	-2
3)	330
4)	-5
5)	
6)	a × (b × c) = -30 (a × b) × c = -30 Hence verified.
7)	Option a)
8)	-15
9)	-175
10)	-420

FUN FACT

1) The product of even number of negative integers is always positive.
2) The product of odd number of negative integers is always negative.
3) The distributive property of addition over multiplication is $a \times [b + c] = a \times b + a \times c$.