

INTEGERS

Subtopic: Multiplication of integers

Section 1

1. Mark T for True and F for False

1a. $(-2) \times (-2) = -4$.

1b. $(-3) \times (-3) \times (3) = 27$.

2. Choose the correct answer.

2a. $10 \times (-1)$ is,

a) 10

b) -10

2b. $a \times (-b)$ is,

a) ab

b) -ab

3. Fill in the blanks

3a. $(-3) \times (-2) = \underline{\hspace{2cm}}$.

3b. $(-a) \times (-b) = \underline{\hspace{2cm}}$.

4. Match the following.

Column 1	Column 2	Answer here	
a) $(-31) \times (-100)$	1) -825	a)	
b) $(-83) \times (-28)$	2) -720	b)	
c) $45 \times (-16)$	3) 2324	c)	
d) $(-42) \times 12$	4) 3100	d)	
e) $(-55) \times 15$	5) -504	e)	

Section 2

5. Find $(-21) \times (-30)$.

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6. Take any two sets of values for positive integers a and b and Show that

$$a \times (-b) = (-a) \times b.$$

7. Take any two sets of values for positive integers a and b and, show that $(-a) \times (-b) = a \times b.$

8. Find $(-83) \times (-28).$

Section 3

9. Write a negative integer and positive integer whose product is

- a) -121. b) - 800

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10. Check if

(a) $25 \times (-21) = (-25) \times 21.$

(b) $(-23) \times 20 = 23 \times (-20).$