

3.OA.B.5

APPLY PROPERTIES OF OPERATIONS AS STRATEGIES TO MULTIPLY AND DIVIDE

TASK CARDS

ANSWER SHEET

The image shows a worksheet for practicing multiplication facts. At the top, there are two lines for the student's name and date. Below these are two identical grids, each with 7 rows and 2 columns. The first grid has a yellow header with the text 'Card#' and 'Answer'. A yellow pencil is positioned on the left side of the first grid, pointing to the first row. To the right of the grids is a set of multiplication cards. The top card is yellow with the number '17' in a white triangle. It has a black border and contains the text 'PROPERTIES' and 'Find the'. Below this are five multiplication problems: $6 \times 3 = 18$, $5 \times 3 = 15$, $4 \times 3 = 12$, $3 \times 3 = 9$, and $2 \times 3 = 6$. The bottom card is partially visible, showing the number '20' in a yellow triangle and the text 'PROPER'.

Name: _____ Date: _____

Card#	Answer
1.	
2.	
3.	
4.	
5.	
6.	
7.	

Card#	Answer

17

PROPERTIES

Find the

$6 \times 3 = 18$

$5 \times 3 = 15$

$4 \times 3 = 12$

$3 \times 3 = 9$

$2 \times 3 = 6$

20

PROPER

17 PROPERTIES OF OPERATIONS
Find the products.

$6 \times 3 = 18$	$3 \times 6 = \square$
$5 \times 3 = 15$	$3 \times 5 = \square$
$4 \times 3 = 12$	$3 \times 4 = \square$
$3 \times 3 = 9$	$3 \times 3 = \square$
$2 \times 3 = 6$	$3 \times 2 = \square$

18 PROPERTIES OF OPERATIONS
Find the products.

$1 \times 5 = 5$	$5 \times 1 = \square$
$2 \times 5 = 10$	$5 \times 2 = \square$
$3 \times 5 = 15$	$5 \times 3 = \square$
$4 \times 5 = 20$	$5 \times 4 = \square$
$5 \times 5 = 25$	$5 \times 5 = \square$

6 PROPERTIES OF OPERATIONS
Find the product.

$5 \times (1 + 7)$
 $\times 1) + (5 \times$

19 PROPERTIES OF OPERATIONS
Find the products.

20 PROPERTIES OF OPERATIONS
Find the product.

13 $(2 \times 3) \times \square = 5$

Use the multiplication equation to answer the division problem.

$3 \times \square = 12$
 $12 \div 3 = \square$

PROPERTIES OF OPERATIONS



Victoria says
 $10 \times (3 + 1) = 8$
Is she correct?

Yes

No

Mag CORE

PRINTABLE AND DIGITAL

- 30 PRINT-AND-GO TASK CARDS
- READY TO USE FOR CENTERS

ANSWER SHEET

Name: _____ Date: _____

Card#	Answer	Card#	Answer
1.		16.	
2.		17.	
3.		18.	
		19.	
		20.	
		21.	
		22.	
		23.	



1 PROPERTIES OF OPERATIONS

Use the commutative property to find the product.



$3 \times 4 = \square$

$4 \times 3 = \square$

2 PROPERTIES OF OPERATIONS

Use the commutative property to find the product.

$9 \times 2 = \square$

$2 \times 9 = \square$

3 PROPERTIES OF OPERATIONS

Use the commutative property to find the product.

$6 \times 5 = \square$

$5 \times 6 = \square$

4 PROPERTIES OF OPERATIONS

Use the commutative property to find the product.

$0 \times 8 = \square$

$8 \times 0 = \square$

13 PROPERTIES OF OPERATIONS

Find the product.

$(2 \times 3) \times 5$

$\square \times 5 = \square$

14 PROPERTIES OF OPERATIONS

Find the product.

$2 \times (3 \times 5)$

$2 \times \square = \square$

15 PROPERTIES OF OPERATIONS

Find the product.

16 PROPERTIES OF OPERATIONS

Find the product.

PROPERTIES OF OPERATIONS



Ways to Use Task Cards

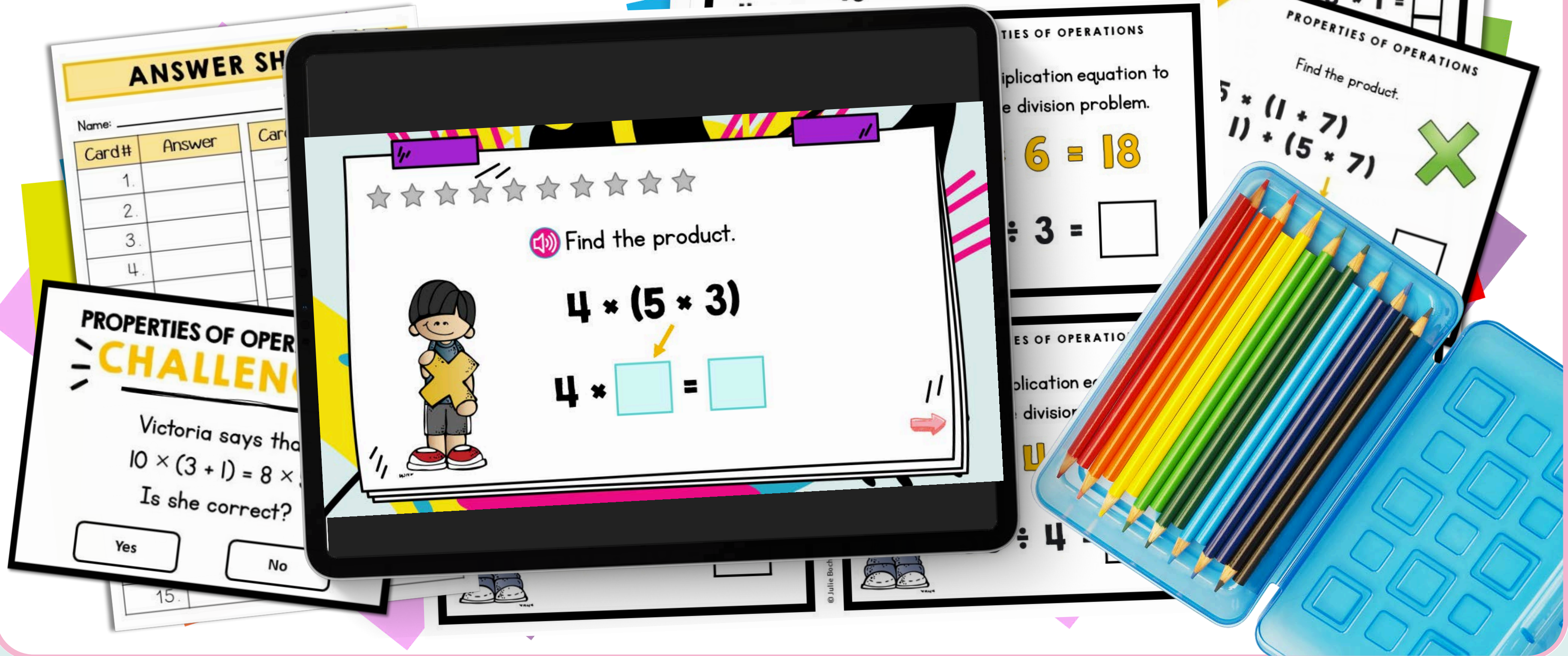
- Centers**
- Scot:** Pass out one card for each student. Set a timer and say, "scot!" when the timer goes off. Students move seats to the next card. They continue to rotate until they are back at their original seat.
- Scavenger Hunt:** Hide cards around the room. Students search for cards and answer them.
- Jenga:** Number Jenga blocks. Students stack the blocks, then take turns pulling blocks. Students answer the corresponding number card.
- Whole class practice:** Teacher displays card on the projector. Students answer on mini white boards.
- Exit Tickets:** Give each student a task card at the end of the lesson. Have them answer on a sticky note.



SELF CORRECTING, INCLUDES REPORTING CERTIFICATE



SHUFFLES CARDS, SO STUDENTS
CAN PRACTICE MORE THAN ONCE



STANDARDS ALIGNED

16

PROPERTIES OF OPERATIONS

Find the product.

$$4 * (5 * 3)$$

↓

$$4 * \square = \square$$


8

PROPERTIES OF OPERATIONS

Find the product.

$$7 * (3 + 2)$$
$$(7 * 3) + (7 * 2)$$

↓ ↓

$$\square + \square = \square$$


19

PROPERTIES OF OPERATIONS

Find the products.

$0 * 3 =$	$\square$	$3 * 0 =$	$\square$
$1 * 3 =$	$\square$	$3 * 1 =$	$\square$
$2 * 3 =$	$\square$	$3 * 2 =$	$\square$
$3 * 3 =$	$\square$	$3 * 3 =$	$\square$
$4 * 3 =$	$\square$	$3 * 4 =$	$\square$

12

PROPERTIES OF OPERATIONS

Find the missing number according to the associative property.

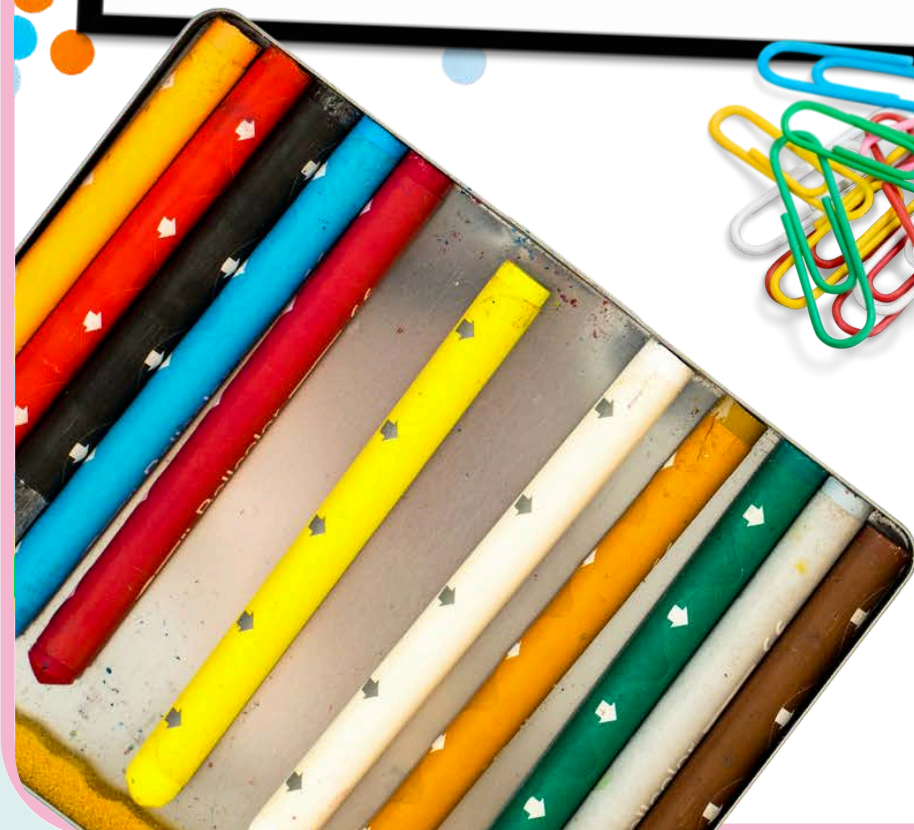
$$4 * (2 * 9) = (4 * 2) * \underline{\hspace{1cm}}$$

A. 6 B. 9 C. 7

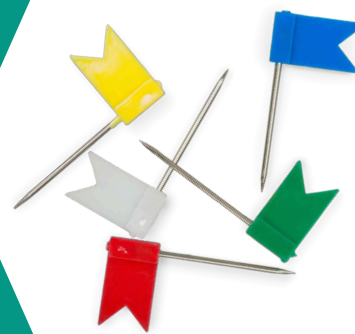
23

PROPERTIES OF OPERATIONS

Use the multiplication equation to answer the division problem.

$$10 * \square = 30$$
$$30 \div \square = \square$$


USE OVER AND OVER FOR CENTERS, GAMES, AND REVIEW



ANSWER SHEET

Name: _____ Date: _____

Card#	Answer	Card#
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		

5

PROPERTIES OF OPERATIONS

Find the product.

$2 * (5 + 3)$
 $(2 * 5) + (2 * 3)$

$\square + \square = \square$

6

PROPERTIES OF OPERATIONS

Find the product.

$5 * (1 + 7)$
 $(5 * 1) + (5 * 7)$

$\square + \square = \square$

7

PROPERTIES OF OPERATIONS

Find the product.

$3 * (2 + 4)$
 $(3 * 2) + (3 * 4)$

$\square + \square = \square$

8

PROPERTIES OF OPERATIONS

Find the product.

$7 * (3 + 1)$
 $(7 * 3) + (7 * 1)$

$\square + \square = \square$

3

PROPERTIES OF OPERATIONS

Use the commutative property to find the product.

$6 * 5 = \square$

21

PROPERTIES OF OPERATIONS

Use the multiplication equation to answer the division problem.

$5 = 40$

$\square$

22

PROPERTIES OF OPERATIONS

Use the multiplication equation to answer the division problem.

$3 * 6 = 18$

$18 \div 3 = \square$

24

PROPERTIES OF OPERATIONS

Use the multiplication equation to answer the division problem.

$9 * 4 = 36$

$36 \div 4 = \square$

PROPERTIES OF OPERATIONS

Find the product.

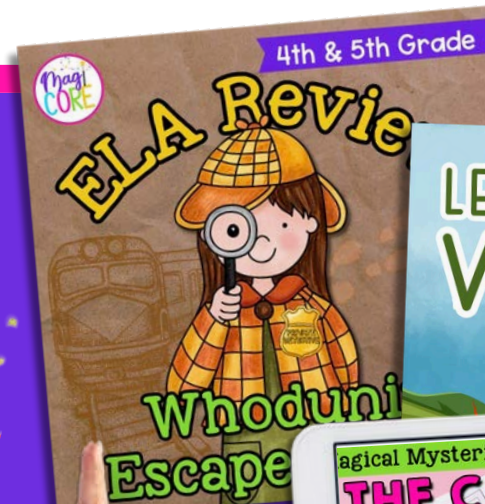
$\square * 5 = \square$



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