



**THIRD SPACE
LEARNING**

Exit Tickets

Domain: Operations and
Algebraic Thinking

3rd grade

Exit Tickets

Name:

Standard: 3.OA.A.1

Focus: Interpret products of whole numbers

While walking down the street, Mary counted 6 palm trees. Each palm tree had 9 leaves. How many leaves were on all the palm trees Mary counted?



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Name:

Standard: 3.OA.A.2

Focus: Interpret quotients of whole numbers

There are 32 playing cards on the table. Each player needs 8 cards to play a game. How many people can play?



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Name:

Standard: 3.OA.A.3

Directions: Solve each word problem.

Focus: Multiply or divide within 100 to solve word problems

a. Joey has a bookshelf in his room with 6 shelves on it. He puts 12 books on each shelf. How many books are on the bookshelf altogether?

b. Mindy has 7 trays of cookies. There are 56 cookies in all. How many cookies are on each tray?



Name:

Standard: 3.OA.A.4

Directions: Write the correct number in the box to make each equation true.

Focus: Determine the unknown whole number in a multiplication or division equation

a. $21 \div \boxed{} = 7$

b. $64 \div 8 = \boxed{}$

c. $\boxed{} \times 8 = 40$

d. $\boxed{} \times 7 = 35$

e. $9 \times 9 = \boxed{}$

f. $4 \times \boxed{} = 28$

g. $\boxed{} \div 7 = 6$

h. $54 \div \boxed{} = 9$



Exit Tickets

Name:

Standard: 3.OA.B.5

Focus: Apply properties of operations as strategies to multiply and divide

Directions: Show your understanding of each property by completing the table.

Commutative Property	Associative Property	Distributive Property
$8 \times 7 = 56$ $7 \times 8 = \underline{\hspace{2cm}}$ $4 \times 9 = 36$ $9 \times 4 = \underline{\hspace{2cm}}$ $6 \times 5 = 30$ $5 \times 6 = \underline{\hspace{2cm}}$	$2 \times (4 \times 8) = 64$ $(2 \times 4) \times 8 = \underline{\hspace{2cm}}$ $(6 \times 2) \times 5 = 60$ $6 \times (2 \times 5) = \underline{\hspace{2cm}}$ $9 \times (3 \times 2) = 54$ $(9 \times 3) \times 2 = \underline{\hspace{2cm}}$	Decompose one factor to make the equation easier to solve: 15×7 $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$ $\underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ $= \underline{\hspace{2cm}}$



Name:

Standard: 3.OA.B.6

Focus: Understand division as an unknown-factor problem

Directions: Complete each equation.

a. $49 \div 7 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \times 7 = 49$

b. $36 \div 9 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \times 9 = 36$

c. $72 \div 8 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \times 8 = 72$

d. $50 \div 5 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \times 5 = 50$



Exit Tickets

Name:

Standard: 3.OA.C.7

Directions: Solve each equation.

Focus: Fluently multiply within 100

$8 \times 3 = \underline{\quad}$

$7 \times 4 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 7 = \underline{\quad}$

$5 \times 8 = \underline{\quad}$

$9 \times 8 = \underline{\quad}$

$5 \times 4 = \underline{\quad}$

$9 \times 6 = \underline{\quad}$

$7 \times 5 = \underline{\quad}$

$9 \times 2 = \underline{\quad}$

$4 \times 4 = \underline{\quad}$

$4 \times 9 = \underline{\quad}$

$4 \times 8 = \underline{\quad}$

$3 \times 9 = \underline{\quad}$

$8 \times 7 = \underline{\quad}$



Name:

Standard: 3.OA.C.7

Directions: Solve each equation.

Focus: Fluently divide within 100

$27 \div 9 = \underline{\quad}$

$40 \div 8 = \underline{\quad}$

$56 \div 8 = \underline{\quad}$

$49 \div 7 = \underline{\quad}$

$12 \div 6 = \underline{\quad}$

$32 \div 4 = \underline{\quad}$

$20 \div 5 = \underline{\quad}$

$48 \div 6 = \underline{\quad}$

$15 \div 5 = \underline{\quad}$

$70 \div 7 = \underline{\quad}$

$18 \div 3 = \underline{\quad}$

$42 \div 7 = \underline{\quad}$

$18 \div 2 = \underline{\quad}$

$54 \div 6 = \underline{\quad}$

$16 \div 4 = \underline{\quad}$



Exit Tickets

Name:

Standard: 3.OA.D.8

Focus: Solve two-step word problems using the four operations

Directions: Solve each word problem.

a. A family of 6 are going to the circus. Tickets cost \$9. They also have a coupon for \$10 off. How much does it cost for the family to get into the circus?

b. Alma is organizing her rock collection. She has 25 flat rocks and 11 shiny rocks. She splits them evenly between 3 boxes. How many rocks are in each box?



Name:

Standard: 3.OA.D.9

Focus: Identify arithmetic patterns

Directions: Fill in the rule and the missing numbers for each input/output table.

a.

Input	Output
3	10
6	_____
9	16
12	19
15	_____

Rule: _____

b.

Input	Output
4	_____
5	15
7	21
_____	24
10	30

Rule: _____



Standard	Answer(s)															
3.OA.A.1	$6 \times 9 = 54$ leaves															
3.OA.A.2	$32 \div 8 = 4$ people															
3.OA.A.3	a. $6 \times 12 = 72$ books b. $56 \div 7 = 8$ cookies on each tray															
3.OA.A.4	a. 3 b. 8 c. 5 d. 5 e. 81 f. 7 g. 42 h. 6															
3.OA.B.5	<table><tr><th>Commutative Property</th><th>Associative Property</th><th>Distributive Property</th></tr><tr><td>$8 \times 7 = 56$ $7 \times 8 = \underline{56}$</td><td>$2 \times (4 \times 8) = 64$ $(2 \times 4) \times 8 = \underline{64}$</td><td>Decompose one factor to make the equation easier to solve:</td></tr><tr><td>$4 \times 9 = 36$ $9 \times 4 = \underline{36}$</td><td>$(6 \times 2) \times 5 = 60$ $6 \times (2 \times 5) = \underline{60}$</td><td>$(\underline{10} \times \underline{7}) + (\underline{5} \times \underline{7})$</td></tr><tr><td>$6 \times 5 = 30$ $5 \times \underline{6} = \underline{30}$</td><td>$9 \times (3 \times 2) = 54$ $(9 \times 3) \times 2 = \underline{54}$</td><td>$70 + 35$</td></tr><tr><td></td><td></td><td>$= 105$</td></tr></table>	Commutative Property	Associative Property	Distributive Property	$8 \times 7 = 56$ $7 \times 8 = \underline{56}$	$2 \times (4 \times 8) = 64$ $(2 \times 4) \times 8 = \underline{64}$	Decompose one factor to make the equation easier to solve:	$4 \times 9 = 36$ $9 \times 4 = \underline{36}$	$(6 \times 2) \times 5 = 60$ $6 \times (2 \times 5) = \underline{60}$	$(\underline{10} \times \underline{7}) + (\underline{5} \times \underline{7})$	$6 \times 5 = 30$ $5 \times \underline{6} = \underline{30}$	$9 \times (3 \times 2) = 54$ $(9 \times 3) \times 2 = \underline{54}$	$70 + 35$			$= 105$
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		$= 105$														
3.OA.B.6	a. 7 b. 4 c. 9 d. 10															

Standard	Answer(s)
3.OA.C.7	$8 \times 3 = \underline{24}$ $7 \times 4 = \underline{28}$ $6 \times 6 = \underline{36}$ $6 \times 7 = \underline{42}$ $5 \times 8 = \underline{40}$ $9 \times 8 = \underline{72}$ $5 \times 4 = \underline{20}$ $9 \times 6 = \underline{54}$ $7 \times 5 = \underline{35}$ $9 \times 2 = \underline{18}$ $4 \times 4 = \underline{16}$ $4 \times 9 = \underline{36}$ $4 \times 8 = \underline{32}$ $3 \times 9 = \underline{27}$ $8 \times 7 = \underline{56}$
3.OA.C.7	$27 \div 9 = \underline{3}$ $40 \div 8 = \underline{5}$ $58 \div 8 = \underline{7}$ $49 \div 7 = \underline{7}$ $12 \div 6 = \underline{2}$ $32 \div 4 = \underline{8}$ $20 \div 5 = \underline{4}$ $48 \div 6 = \underline{8}$ $15 \div 5 = \underline{3}$ $70 \div 7 = \underline{10}$ $18 \div 3 = \underline{6}$ $42 \div 7 = \underline{6}$ $18 \div 2 = \underline{9}$ $54 \div 6 = \underline{9}$ $15 \div 4 = \underline{4}$
3.OA.D.8	<p>a. Step 1: $\\$6 \times \\$9 = \\$54$ Step 2: $\\$54 - 10 = \\44 total</p> <p>b. Step 1: $25 + 11 = 36$ Step 2: $36 \div 3 = 12$ rocks in each box</p>
3.OA.D.9	

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