

Luna's Space Adventure

Grade 3 · Times tables · 3.OA.C.7

Name _____

Date _____



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Beat the clock Multiply and divide. How many can you do in three minutes?

$3 \times 5 =$	$4 \times 7 =$	$36 \div 9 =$	$7 \times 9 =$
$5 \times 8 =$	$14 \div 7 =$	$9 \times 8 =$	$9 \times 9 =$
$16 \div 8 =$	$6 \times 8 =$	$8 \times 2 =$	$56 \div 7 =$
$4 \times 6 =$	$3 \times 3 =$	$35 \div 7 =$	$9 \times 2 =$
$7 \times 3 =$	$64 \div 8 =$	$8 \times 6 =$	$2 \times 3 =$

Colour by answer Colour every square whose answer is 5, 8 or 10.

$14 \div 2$	2×3	$9 \div 3$	$8 \div 2$	$40 \div 8$	$16 \div 4$	$21 \div 3$	$42 \div 6$	$18 \div 6$
$28 \div 7$	$49 \div 7$	$18 \div 2$	$30 \div 3$	$64 \div 8$	$25 \div 5$	$8 \div 4$	$24 \div 6$	2×2
$24 \div 3$	$20 \div 4$	2×4	5×2	4×2	$10 \div 2$	$35 \div 7$	$50 \div 5$	$48 \div 6$
$12 \div 3$	$90 \div 9$	$70 \div 7$	$40 \div 5$	$72 \div 9$	$30 \div 6$	$16 \div 2$	$56 \div 7$	$36 \div 9$
$20 \div 5$	$28 \div 4$	$15 \div 3$	$20 \div 2$	2×5	$45 \div 9$	$15 \div 3$	$81 \div 9$	$72 \div 8$
$42 \div 7$	$32 \div 4$	$30 \div 6$	$80 \div 8$	3×2	$48 \div 6$	$45 \div 9$	$40 \div 8$	$56 \div 8$
$32 \div 8$	$35 \div 7$	$32 \div 4$	$27 \div 3$	$8 \div 2$	$24 \div 8$	$60 \div 6$	$40 \div 4$	$6 \div 2$

What did you colour? _____

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ANSWER KEY



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Beat the clock Multiply and divide. How many can you do in three minutes?

$3 \times 5 =$ 15	$4 \times 7 =$ 28	$36 \div 9 =$ 4	$7 \times 9 =$ 63
$5 \times 8 =$ 40	$14 \div 7 =$ 2	$9 \times 8 =$ 72	$9 \times 9 =$ 81
$16 \div 8 =$ 2	$6 \times 8 =$ 48	$8 \times 2 =$ 16	$56 \div 7 =$ 8
$4 \times 6 =$ 24	$3 \times 3 =$ 9	$35 \div 7 =$ 5	$9 \times 2 =$ 18
$7 \times 3 =$ 21	$64 \div 8 =$ 8	$8 \times 6 =$ 48	$2 \times 3 =$ 6

Colour by answer Colour every square whose answer is 5, 8 or 10.

$14 \div 2$	2×3	$9 \div 3$	$8 \div 2$	$40 \div 8$	$16 \div 4$	$21 \div 3$	$42 \div 6$	$18 \div 6$
$28 \div 7$	$49 \div 7$	$18 \div 2$	$30 \div 3$	$64 \div 8$	$25 \div 5$	$8 \div 4$	$24 \div 6$	2×2
$24 \div 3$	$20 \div 4$	2×4	5×2	4×2	$10 \div 2$	$35 \div 7$	$50 \div 5$	$48 \div 6$
$12 \div 3$	$90 \div 9$	$70 \div 7$	$40 \div 5$	$72 \div 9$	$30 \div 6$	$16 \div 2$	$56 \div 7$	$36 \div 9$
$20 \div 5$	$28 \div 4$	$15 \div 3$	$20 \div 2$	2×5	$45 \div 9$	$15 \div 3$	$81 \div 9$	$72 \div 8$
$42 \div 7$	$32 \div 4$	$30 \div 6$	$80 \div 8$	3×2	$48 \div 6$	$45 \div 9$	$40 \div 8$	$56 \div 8$
$32 \div 8$	$35 \div 7$	$32 \div 4$	$27 \div 3$	$8 \div 2$	$24 \div 8$	$60 \div 6$	$40 \div 4$	$6 \div 2$

What did you colour? a star

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GUIDE

① What this sheet practises

Knowing multiplication and division facts up to 10×10 quickly and correctly, which the rest of grade 3 and 4 builds on.

② A problem from the sheet, worked out

Beat the clock Multiply and divide. How many can you do in three minutes?

$3 \times 5 =$ 15	$4 \times 7 =$ 28	$36 \div 9 =$ 4	$7 \times 9 =$ 63
$5 \times 8 =$ 40	$14 \div 7 =$ 2	$9 \times 8 =$ 72	$9 \times 9 =$ 81
$16 \div 8 =$ 2	$6 \times 8 =$ 48	$8 \times 2 =$ 16	$56 \div 7 =$ 8

How: Use facts you know to reach ones you don't: double for 2s and 4s, count by fives, and $9 \times 6 = 10 \times 6 - 6$. Division facts come from the same table.

③ Words to know

fact a short multiplication or division you know by heart

product the answer to $\times$

quotient the answer to $\div$

fluently quickly and correctly

④ Watch for

- Skip-counting from the start every time instead of from a known fact.
- Mixing up close facts, like $6 \times 8 = 48$ and $7 \times 8 = 56$.
- Treating division facts as new ones instead of using the table.

⑤ Where it fits

BEFORE

2.OA.B.2

Add and subtract within 20 from memory.

THIS SHEET

3.OA.C.7

Multiply and divide within 100, and know the times tables from memory.

NEXT

4.NBT.B.5

Multiply up to four digits by one digit, and two digits by two digits.

⑥ Helping at home

Practise a few facts a day, not a whole table at once. Say each fact aloud with its answer; speed comes once it feels easy.