

Luna's Space Adventure

Name _____

Grade 3 • Multiplying by tens • 3.NBT.A.3

Date _____



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

Times tens 4×60 is 4×6 tens: 24 tens.

$8 \times \boxed{} = 400$

$3 \times 30 = \boxed{}$

$6 \times \boxed{} = 540$

$3 \times 40 = \boxed{}$

$6 \times 70 = \boxed{}$

$2 \times 60 = \boxed{}$

$4 \times \boxed{} = 200$

$6 \times 10 = \boxed{}$

$4 \times 70 = \boxed{}$

Riddle time Solve each one, then use the code to answer the riddle.

How does the moon cut its hair?

$1 \quad 6 \times 80 = \boxed{}$

$2 \quad 6 \times 50 = \boxed{}$

$3 \quad 4 \times 10 = \boxed{}$

$4 \quad 6 \times 90 = \boxed{}$

$5 \quad 3 \times 50 = \boxed{}$

$6 \quad 2 \times 10 = \boxed{}$

$7 \quad 8 \times 60 = \boxed{}$

$8 \quad 9 \times 60 = \boxed{}$

$9 \quad 5 \times 40 = \boxed{}$

20 = S 40 = L 70 = X 90 = G 120 = U 150 = P
160 = D 200 = T 300 = C 480 = E 540 = I

1

2

3

4

5

6

7

8

9

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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!

Times tens 4×60 is 4×6 tens: 24 tens.

$$8 \times \boxed{50} = 400$$

$$3 \times 30 = \boxed{90}$$

$$6 \times \boxed{90} = 540$$

$$3 \times 40 = \boxed{120}$$

$$6 \times 70 = \boxed{420}$$

$$2 \times 60 = \boxed{120}$$

$$4 \times \boxed{50} = 200$$

$$6 \times 10 = \boxed{60}$$

$$4 \times 70 = \boxed{280}$$

Riddle time Solve each one, then use the code to answer the riddle.

How does the moon cut its hair?

$$^1 6 \times 80 = \boxed{480}$$

$$^2 6 \times 50 = \boxed{300}$$

$$^3 4 \times 10 = \boxed{40}$$

$$^4 6 \times 90 = \boxed{540}$$

$$^5 3 \times 50 = \boxed{150}$$

$$^6 2 \times 10 = \boxed{20}$$

$$^7 8 \times 60 = \boxed{480}$$

$$^8 9 \times 60 = \boxed{540}$$

$$^9 5 \times 40 = \boxed{200}$$

20 = S 40 = L 70 = X 90 = G 120 = U 150 = P
160 = D 200 = T 300 = C 480 = E 540 = I

E C L I P S E I T
1 2 3 4 5 6 7 8 9

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GUIDE

① What this sheet practises

Multiplying a one-digit number by 10, 20, 30 and so on, using facts and place value.

② A problem from the sheet, worked out

Times tens 4×60 is 4×6 tens: 24 tens.

$$8 \times \boxed{50} = 400$$

$$3 \times 30 = \boxed{90}$$

$$6 \times \boxed{90} = 540$$

$$3 \times 40 = \boxed{120}$$

$$6 \times 70 = \boxed{420}$$

$$2 \times 60 = \boxed{120}$$

$$4 \times \boxed{50} = 200$$

$$6 \times 10 = \boxed{60}$$

$$4 \times 70 = \boxed{280}$$

How: Multiply the single digits, then keep track of the tens: 4×60 is 4×6 tens, which is 24 tens, or 240.

③ Words to know

tens groups of ten

multiple of 10 a number ending in 0: 10, 20, 30 and so on

factor a number being multiplied

product the answer to $\times$

④ Watch for

- Dropping the zero: $4 \times 60 = 24$.
- Adding too many zeros: $4 \times 60 = 2,400$.
- Multiplying the tens digit but forgetting it stands for tens.

⑤ Where it fits

BEFORE

2.NBT.A.1

Understand three-digit numbers as hundreds, tens and ones.

THIS SHEET

3.NBT.A.3

Multiply one-digit numbers by multiples of 10.

NEXT

4.NBT.B.5

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

⑥ Helping at home

Use money: three \$10 bills are $3 \times \$10 = \30 . How much are four \$20 bills?