

Luna's Space Adventure

Grade 3 · Sharing equally · 3.OA.A.2

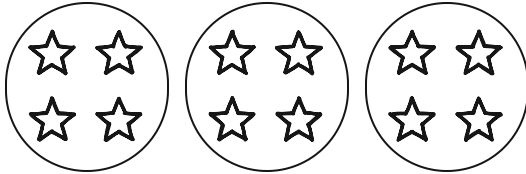
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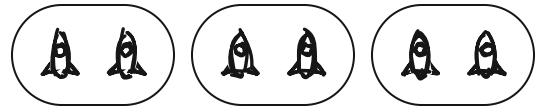


Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

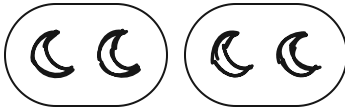
Share them out The groups are already made. How many in each?



$$12 \div 3 = \square$$



$$6 \div 3 = \square$$



$$4 \div 2 = \square$$

Divide How many in each group?

$$32 \div 4 = \square$$

$$81 \div 9 = \square$$

$$12 \div 2 = \square$$

$$18 \div 2 = \square$$

$$32 \div 8 = \square$$

$$56 \div 8 = \square$$

Story time

- ① Nova shares 21 comet crystals equally among 3 boxes. How many comet crystals go in each box?

_____ comet crystals

- ② Orion packs 14 space snacks into jars of 2. How many jars does Orion fill?

_____ jars

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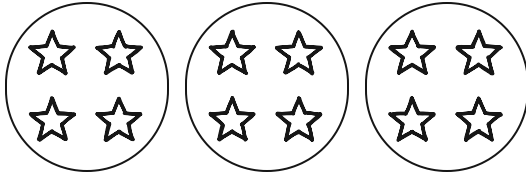
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ANSWER KEY

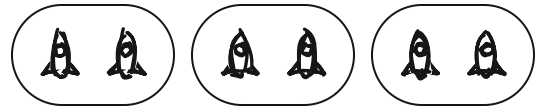


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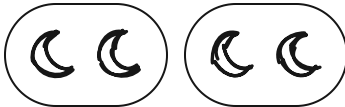
Share them out The groups are already made. How many in each?



$$12 \div 3 = \boxed{4}$$



$$6 \div 3 = \boxed{2}$$



$$4 \div 2 = \boxed{2}$$

Divide How many in each group?

$$32 \div 4 = \boxed{8}$$

$$81 \div 9 = \boxed{9}$$

$$12 \div 2 = \boxed{6}$$

$$18 \div 2 = \boxed{9}$$

$$32 \div 8 = \boxed{4}$$

$$56 \div 8 = \boxed{7}$$

Story time

- ① Nova shares 21 comet crystals equally among 3 boxes. How many comet crystals go in each box?

$$21 \div 3 = ?$$

7 comet crystals

- ② Orion packs 14 space snacks into jars of 2. How many jars does Orion fill?

$$14 \div 2 = ?$$

7 jars

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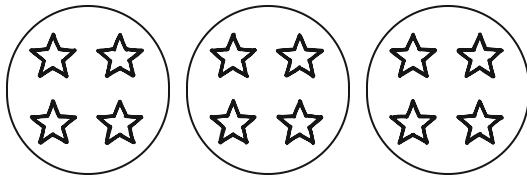
GUIDE

1 What this sheet practises

Division as sharing: a total split into equal groups. Your child finds how many go in each group and writes it as a division.

2 A problem from the sheet, worked out

Share them out The groups are already made. How many in each?



$$12 \div 3 = \boxed{4}$$

How: Share the total out evenly, one at a time, then count how many are in each group. Or ask: what times the number of groups makes the total?

3 Words to know

divide split into equal groups

quotient the answer to a division

equally every group gets the same number
 $\div$ the division sign, read “divided by”

4 Watch for

- Giving some groups more than others.
- Reading $12 \div 3$ backwards, as $3 \div 12$.
- Answering with the number of groups instead of how many are in each.

5 Where it fits

BEFORE

2.OA.C.4

Use repeated addition to count objects in rows and columns.

THIS SHEET

3.OA.A.2

Understand dividing as sharing equally or making equal groups.

NEXT

4.NBT.B.6

Divide up to four-digit numbers by one-digit numbers, with remainders.

6 Helping at home

Share snacks or cards fairly and say it as a division: 12 grapes shared by 3 people is $12 \div 3 = 4$ each.