Name & Surname: _____ Class: _____ Date: _____

Groups Mean Multiply!

See 5 × 7 as 5 groups of 7

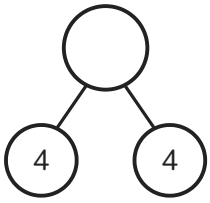
About 40 minutes Level ★★★☆☆

Task A

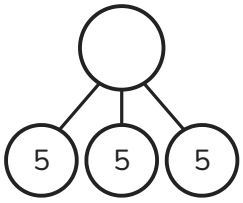
/4

Find the **missing total** in each **bond**. All parts are equal.

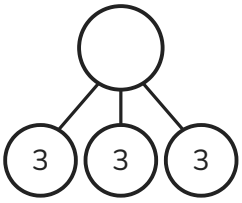
1



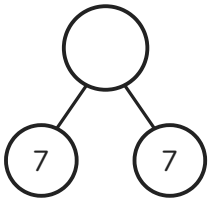
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3



4



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Warm Up Groups

Practice reading multiplications as equal groups.

Key words

equal groups: sets that all have the same number

product: the answer when you multiply

repeated addition: putting the same number together again and again

factor: one number you multiply

times: a word for groups of

Task B /10

Read each **multiplication** as **equal groups** and find the **total**.

WARM UP

1 How many **objects** in 2 **groups** of 4?

Answer: _____

2 Work out 3 × 2 by adding **equal groups**.

Answer: _____

3 Work out 4 × 3 by adding **equal groups**.

Answer: _____

4 What is the **product** of 2 × 5?

Answer: _____

PRACTICE

5 3 **plates** have 4 grapes on each. What is the **total**?

Answer: _____

6 Write 5 × 3 as **repeated addition** and find the **total**.

Answer: _____

7 A student builds 5 **groups** of 2 cubes. How many **cubes** in all?

Answer: _____

PROBLEM SOLVING

8 A student has 6 **boxes** with 2 pencils in each. How many **pencils** in all?

Answer: _____

9 The class sets out 5 **cups** with 7 counters in each. How many **counters** in all?

Answer: _____

10 Explain how you know 3 × 4 = 12 using **equal groups**.

Answer: _____

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Spot the Mistake

Find where the groups thinking went wrong.

Task C

/4

Find the wrong step in each working and fix the groups idea.



Student A

Interpret 5 × 7 with **equal groups**.

1. 5 × 7 means 5 groups of 7
2. = 5 + 7
3. So the answer is 12

The mistake is in step: _____

What went wrong?

.....

Correct answer: _____



Student B

Write a **multiplication** for groups of 4, 5, and 2.

1. Groups have 4, 5, and 2 objects
2. So write 3 × 4 = 12
3. So the answer is 12

The mistake is in step: _____

What went wrong?

.....

Correct answer: _____

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More Group Practice

Build more products with equal groups.

Task D

/10

Use equal groups and repeated addition to solve.

WARM UP

1 How many **objects** in 3 **groups** of 5?

Answer: _____

2 Work out 2 × 6 by adding **equal groups**.

Answer: _____

3 Work out 5 × 4 by adding **equal groups**.

Answer: _____

4 What is the **product** of 4 × 2?

Answer: _____

PRACTICE

5 4 **bags** hold 5 marbles in each **bag**. How many marbles in all?

Answer: _____

6 Write 3 × 6 as **repeated addition** and find the **total**.

Answer: _____

7 Which **total** is greater: 2 groups of 7 or 3 groups of 5? Give the greater **total**.

Answer: _____

PROBLEM SOLVING

8 A student sorts 10 **pairs** of socks. Each **pair** has 2 socks. How many socks in all?

Answer: _____

9 A shelf has 4 **rows** with 6 books in each **row**. How many books in all?

Answer: _____

10 Show 5 × 2 as **equal groups** and explain the **product**.

Answer: _____

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Bars and Boxes

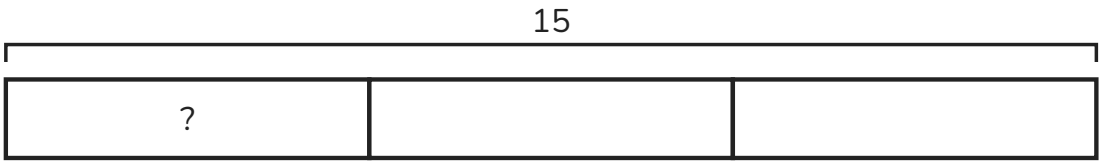
Solve bar models and sort equal groups.

Task E

/6

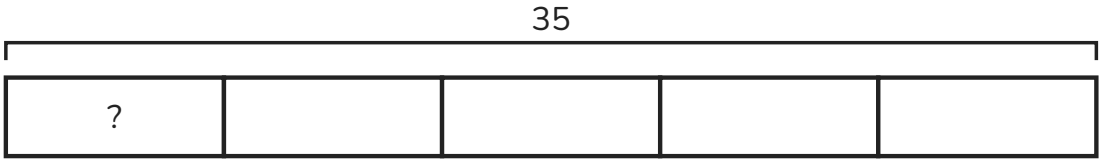
Use the bar model to find the missing number.

1 3 **plates** share 15 **grapes** equally. Each plate has the same number. How many grapes on each plate?



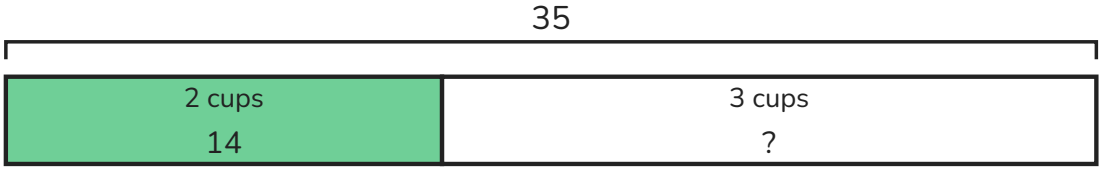
Answer: _____ **grapes**

2 5 **cups** hold 35 **counters** in all, with the same number in each cup. How many counters in each cup?



Answer: _____ **counters**

3 A student counts 14 **counters** in 2 cups and some more in 3 **cups**. Together they have 35 counters. How many counters are in the 3 cups?



Answer: _____ **counters**

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Groups Mean Multiply!

Task F Example done for you /5

Color each box by whether the groups are equal.

● **Equal groups**: colour it blue or draw ● ▲ **Not equal groups**: colour it orange or draw ▲

5 groups of 7 ●	3 groups of 4	4 groups of 2	groups of 4, 5, and 2
groups of 5, 5, and 3	2 groups of 7 and 1 group of 3		

How did I do?

Circle a face for each line.

I can say what 5 × 7 means in equal groups.	☹	😐	☺
I can build equal groups to find a product.	☹	😐	☺
I can write repeated addition for a multiplication.	☹	😐	☺

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Answer sheet: Groups Mean Multiply!

Task A

1. 8 (8 = 4 + 4)
2. 15 (15 = 5 + 5 + 5)
3. 9 (9 = 3 + 3 + 3)
4. 14 (14 = 7 + 7)

Task B

1. 8
2. 6
3. 12
4. 10
5. 12
6. 15
7. 10
8. 12
9. 35
10. 3 groups of 4 is 4+4+4=12

Task C

1. Step 2 is wrong: They added the two factors instead of adding five 7s. Multiplication adds equal groups over and over. Correct answer: 35
2. Step 2 is wrong: The groups are not equal, so it is not repeated addition. Make them equal first before multiplying. Correct answer: 11, not 3 × 4

Task D

1. 15
2. 12
3. 20
4. 8
5. 20
6. 18
7. 15
8. 20
9. 24
10. 5 groups of 2 is 2+2+2+2+2=10

Task E

1. 5 grapes
2. 7 counters
3. 21 counters

Task F

Equal groups (blue ●): 5 groups of 7, 3 groups of 4, 4 groups of 2

Not equal groups (orange ▲): groups of 4, 5, and 2, groups of 5, 5, and 3, 2 groups of 7 and 1 group of 3

Pictures: Characters: Open Peeps by Pablo Stanley (CC0)

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