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Equal Sharing and Grouping – Foundation

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Equal Sharing and Grouping

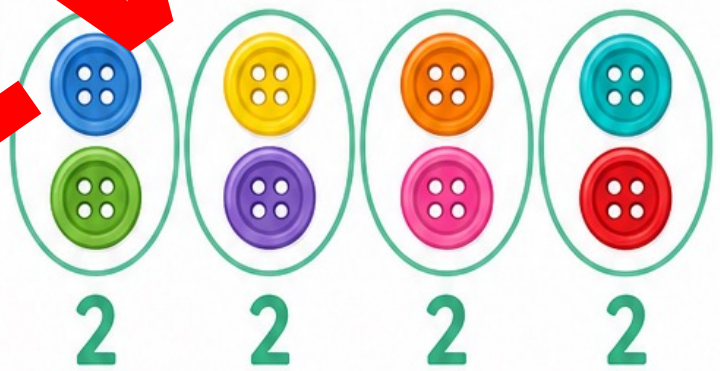
1 Equal sharing

The same amount for each.



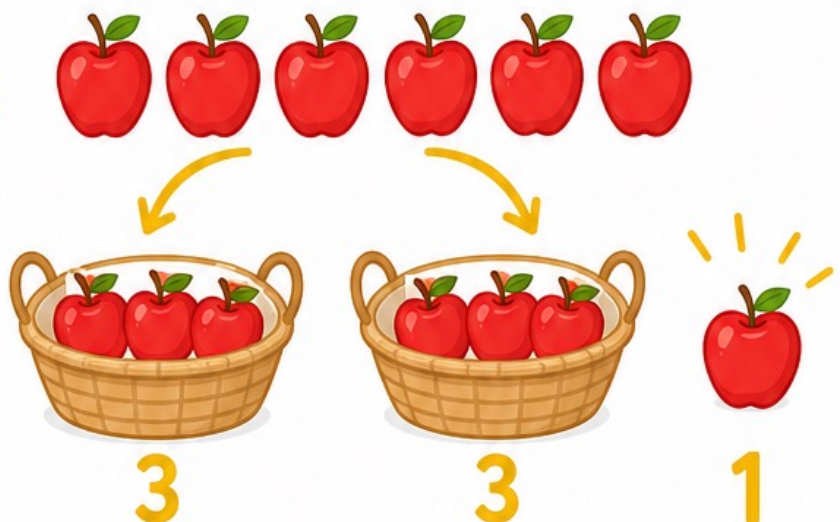
2 Equal grouping

Every group has the same amount.



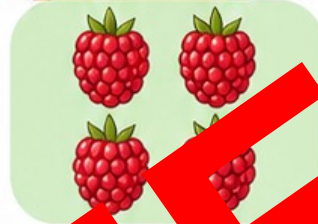
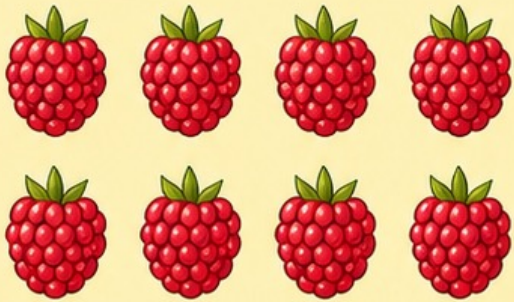
3 Leftovers

Items that cannot be placed without making groups unequal.



Equal Shares

8 berries shared between 2 friends gives 4 each.



Deal one
at a time.



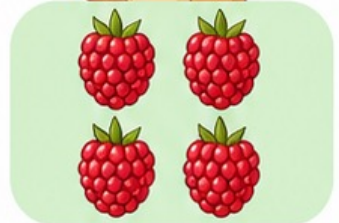
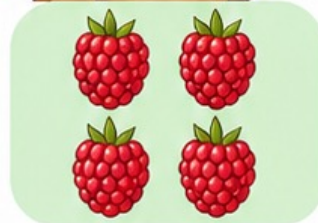
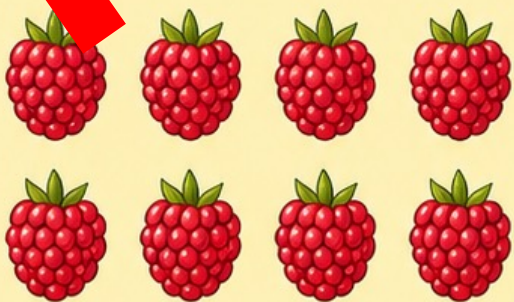
Count or
subitise.



Check each
group.

Equal Shares

8 berries shared between 2 friends gives 4 each.



Deal one
at a time.



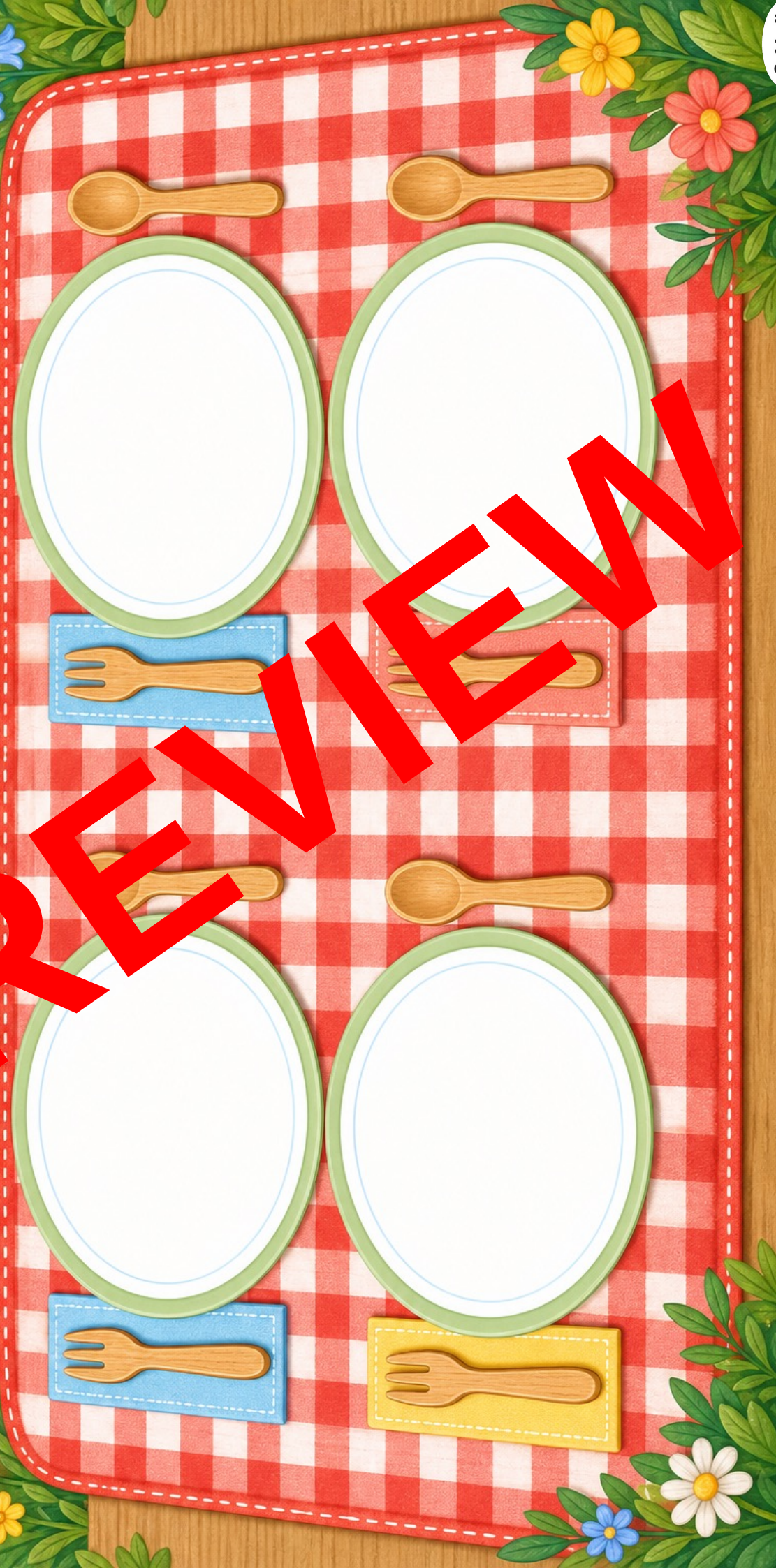
Count or
subitise.



Check each
group.

Woodland Picnic Sharing Mat

Make every share fair!



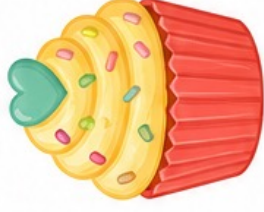
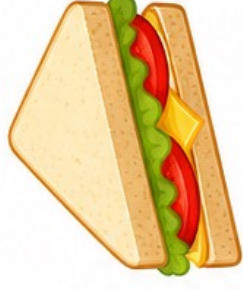
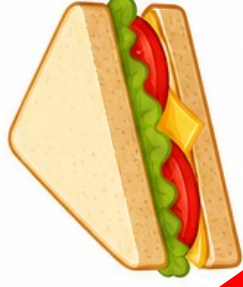
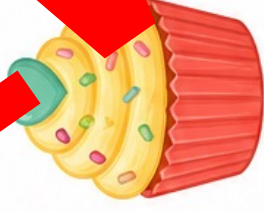
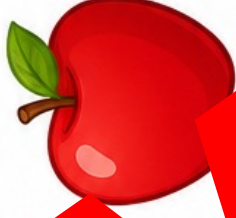
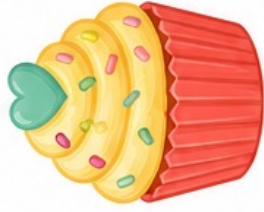
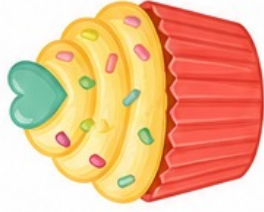
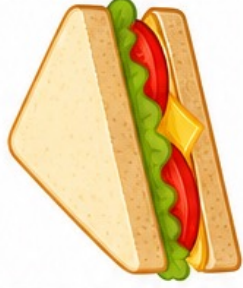
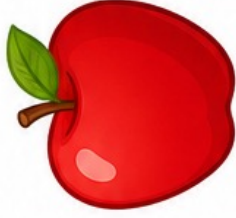
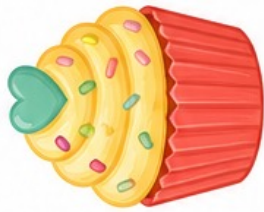
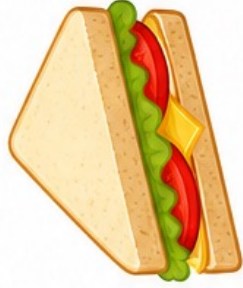
Woodland Picnic Friends

How to play

1. Choose 2, 3 or 4 friends.
2. Take some food counters.
3. Share one at a time.
4. Check each friend has the same amount.



Picnic Food Counters

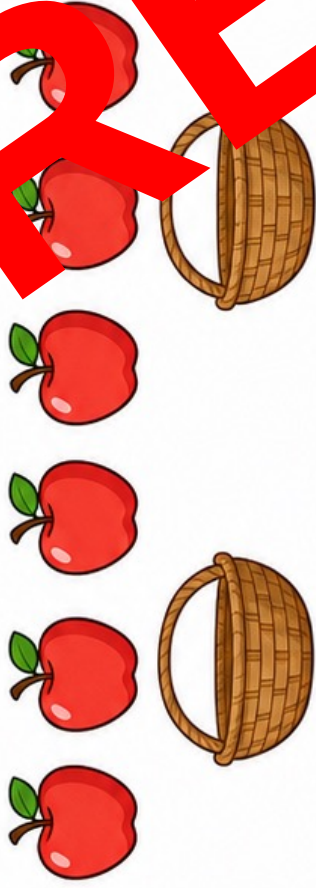


PREVIEW

Fair Share Task Cards 1-4

1

Share 6 apples between 2 baskets.

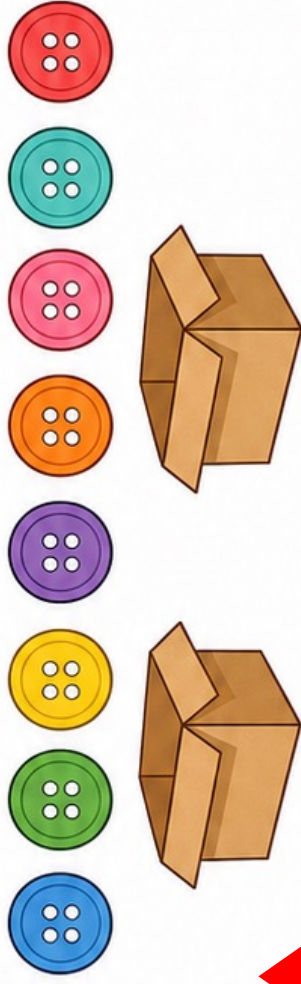


How many in each group? ____

Left over? ____

2

Share 8 buttons between 2 boxes.



How many in each group? ____

Left over? ____

3

Share 9 shells between 3 buckets.



How many in each group? ____

Left over? ____

Share 12 berries between 3 bowls.



How many in each group? ____

Left over? ____

Fair Share Task Cards 5-8

5

Share 8 stars among 4 children.



How many in each group? ____

Left over? ____

6

Share 10 leaves between 2 nests.

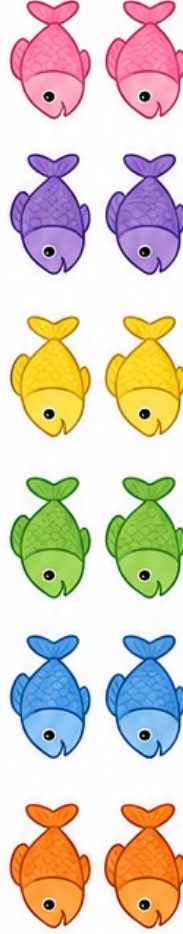


How many in each group? ____

Left over? ____

7

Share 12 fish among 4 bowls.

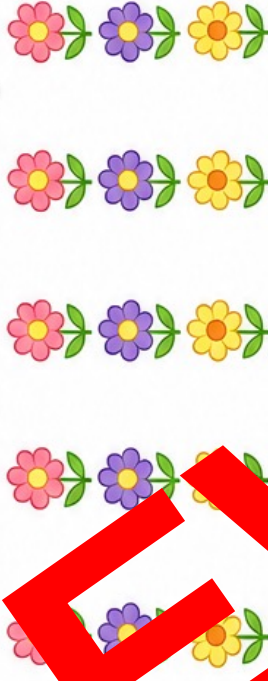


How many in each group? ____

Left over? ____

8

Share 15 flowers among 3 vases.



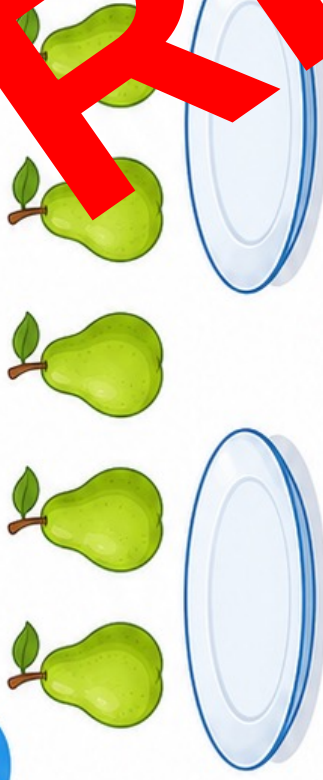
How many in each group? ____

Left over? ____

Fair Share Task Cards 9-12

9

Share 5 pears between 2 plates.



How many in each group? ____

Left over? ____

10

Share 7 shells among 3 buckets.

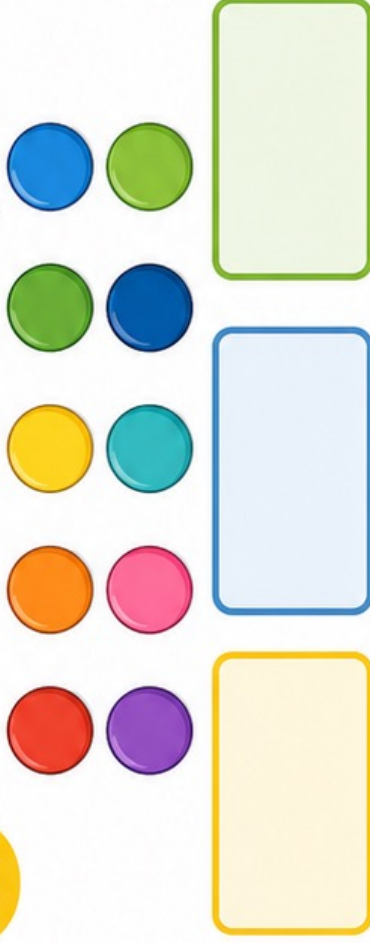


How many in each group? ____

Left over? ____

11

Share 10 counters among 3 mats.



How many in each group? ____

Left over? ____

11

Share 11 balloons between 2 children.



How many in each group? ____

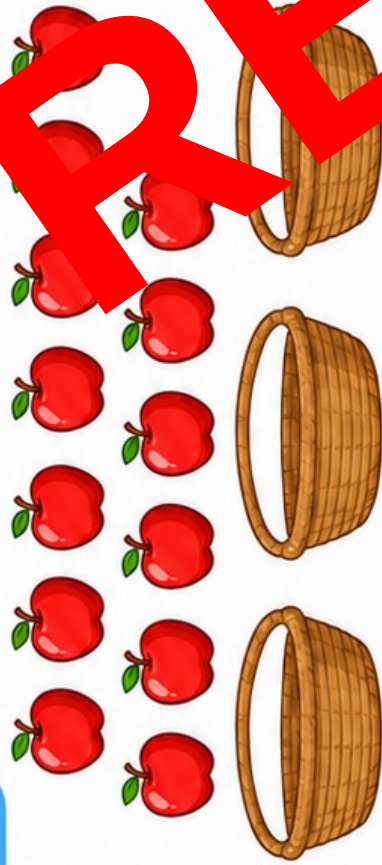
Left over? ____

Fair Share Task Cards 13-16



13

Share 13 apples among 3 baskets.

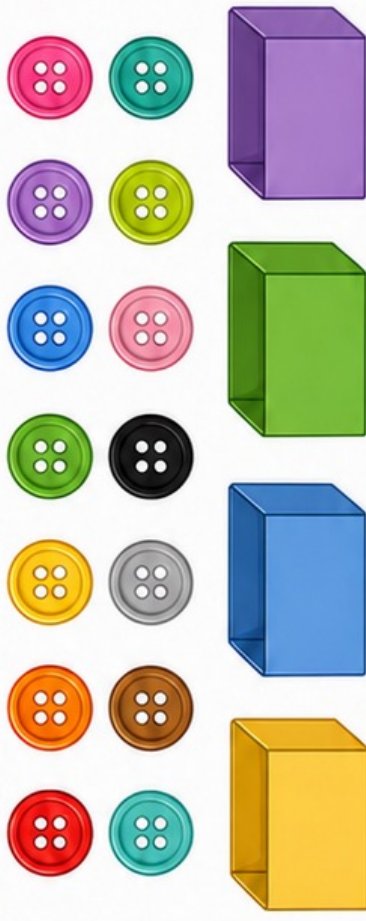


How many in each group? ____

Left over? ____

14

Share 14 buttons among 4 boxes.



How many in each group? ____

Left over? ____

15

Share 16 stars among 3 jars.



How many in each group? ____

Left over? ____

16

Share 17 leaves among 4 nests.



How many in each group? ____

Left over? ____

Fair Share Task Cards 17-20

17

Make groups of 2 from 8 buttons.



How many groups? ____

18

Make groups of 3 from 12 shells.



How many groups? ____

19

Make groups of 2 from 10 stars.



How many groups? ____

20

Make groups of 5 from 15 leaves.



How many groups? ____

Fair Share Task Cards – Recording Sheet



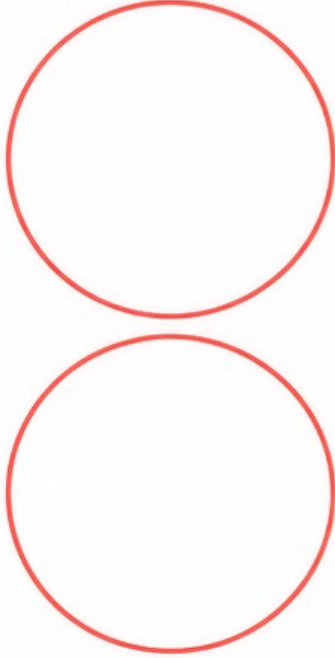
Name: _____

Card	In each group	Left over / number of groups
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		



Spin, Share, Check!

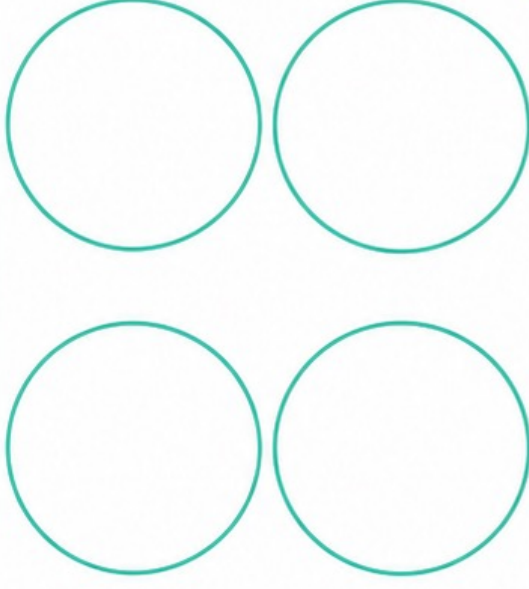
2 groups



3 groups



4 groups



How to Play

1. Spin.
2. Take the shown number of counters.
3. Share them out into groups. Each group must be equal.
4. Check if each group must be equal.

Score 1 point for an equal result! Score: ____

Spinner and Counters



Use a paperclip
and pencil to spin.



Equal or Not Equal?

Name: _____

Look at each pair. Circle equal or not equal.

1) ○○○ ○○○ equal not equal

2) ○○○○○ ○○○ equal not equal

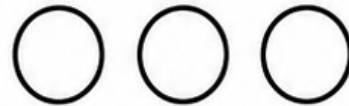
3) ○○ ○○ equal not equal

4) ○○○○○○ ○○○○○ equal not equal

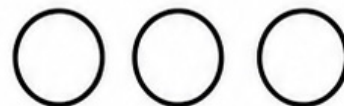
5) ○○○○○○ ○○○○○○ equal not equal

6) ○○○○ ○○ equal not equal

7) Add one counter to make the groups equal.



8) Cross out one counter to make the groups equal.



Equal or Not Equal?

Name: ANSWERS

Look at each pair. Circle equal or not equal.

1) ○○○ ○○○ equal not equal

2) ○○○○○ ○○○ not equal

3) ○○ ○○ equal not equal

4) ○○○○○○ ○○○○ not equal

5) ○○○○○ ○○○○○ equal not equal

6) ○○○○ ○○ not equal

7) Add one counter to make the groups equal.

○ ○ ○ ○ ○ ○ ○ ○ ○ ○

8) Cross out one counter to make the groups equal.

○ ~~○~~ ○ ○ ○ ○ ○ ○ ○ ○

Share It Fairly – Start Here

Name: _____

Draw the objects into equal groups. Then write how many each group gets.

- 1** Share 6 stars between 2 mats.



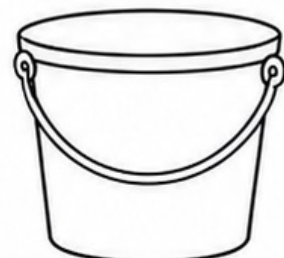
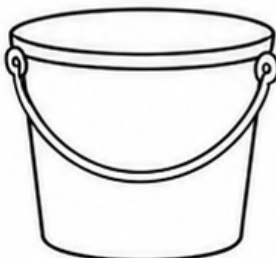
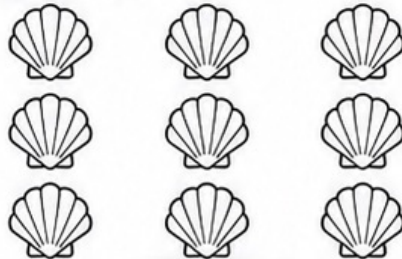
Each group gets _____

- 2** Share 8 apples among 4 baskets.



Each group gets _____.

- 3** Share 9 shells among 3 buckets.



Each group gets _____.

Share It Fairly – Start Here

Name: **ANSWERS**

Draw the objects into equal groups. Then write how many each group gets.

- 1** Share 6 stars between 2 mats.



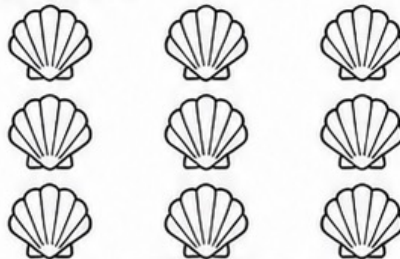
Each group gets **3**

- 2** Share 8 apples among 4 baskets.



Each group gets **2**

- 3** Share 9 shells among 3 buckets.



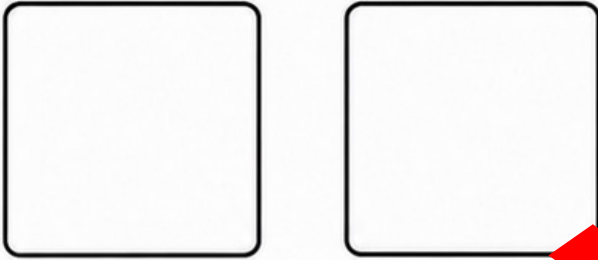
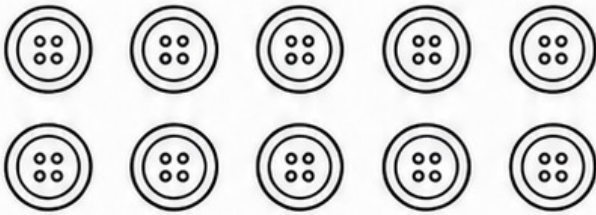
Each group gets **3**

Share It Fairly – Your Turn

Name: _____

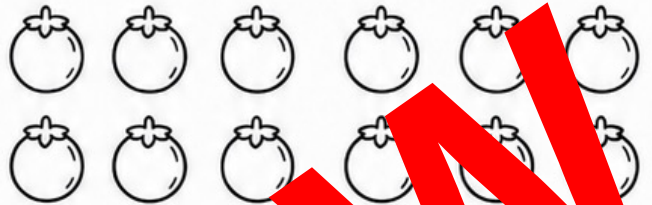
Draw equal shares. Write how many each group gets.

① 10 buttons between 2 boxes



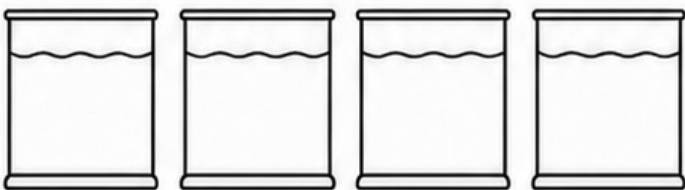
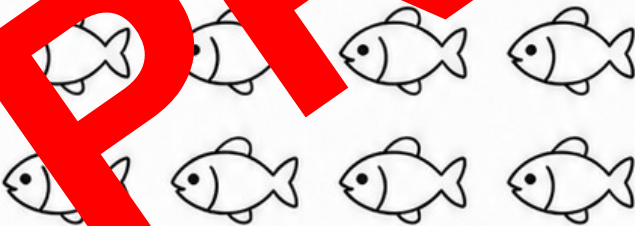
Each group gets ____.

② 12 berries among 3 bowls



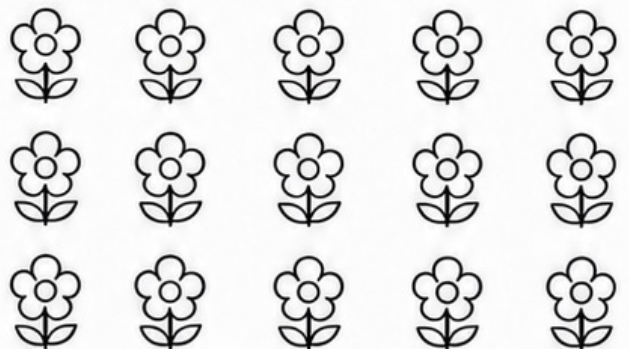
Each group gets ____.

③ 8 fish among 4 tanks



Each group gets ____.

④ 15 flowers among 3 vases



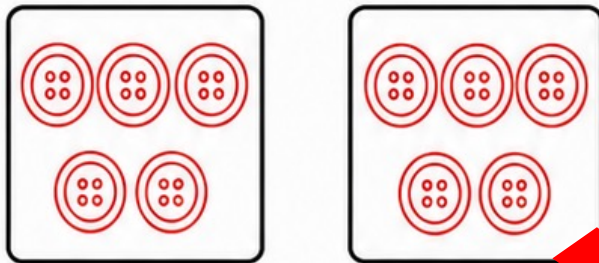
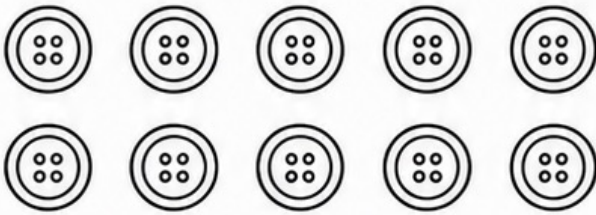
Each group gets ____.

Share It Fairly – Your Turn

Name: ANSWERS

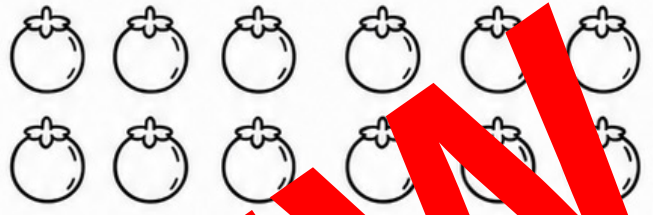
Draw equal shares. Write how many each group gets.

① 10 buttons between 2 boxes



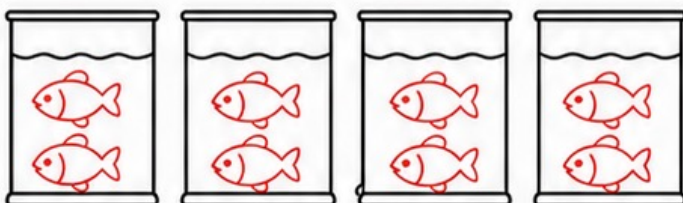
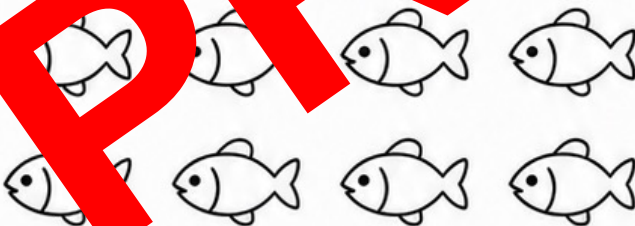
Each group gets 5.

② 12 berries among 3 bowls



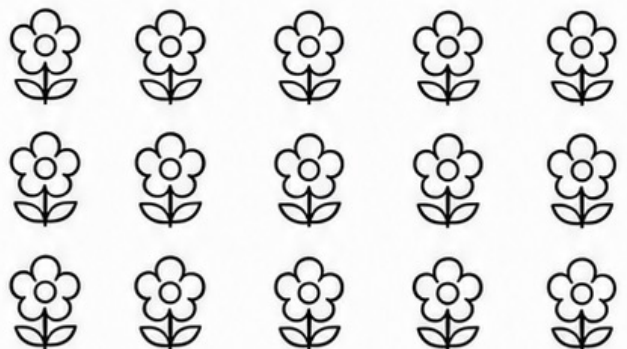
Each group gets 4.

③ 8 fish among 4 tanks



Each group gets 2.

④ 15 flowers among 3 vases



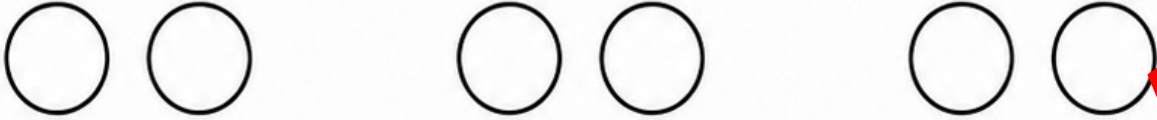
Each group gets 5.

Make Equal Groups – Groups of 2

Name: _____

Circle the objects into groups of 2. Count the groups.

1.



_____ groups of 2

2.



_____ groups of 2

3.



_____ groups of 2

4.



_____ groups of 2

Make Equal Groups – Groups of 2

Name: ANSWERS

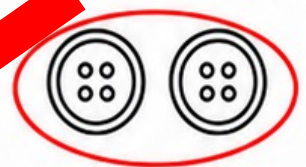
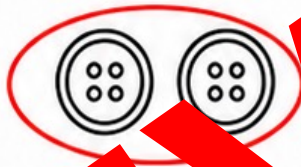
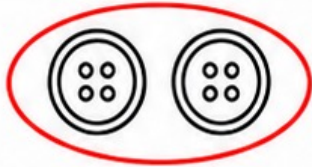
Circle the objects into groups of 2. Count the groups.

1.



3 groups of 2

2.



4 groups of 2

3.



5 groups of 2

4.



6 groups of 2

Make Equal Groups – Groups of 3

Name: _____

Circle the objects into groups of 3. Count the groups.

1.



_____ groups of 3

2.



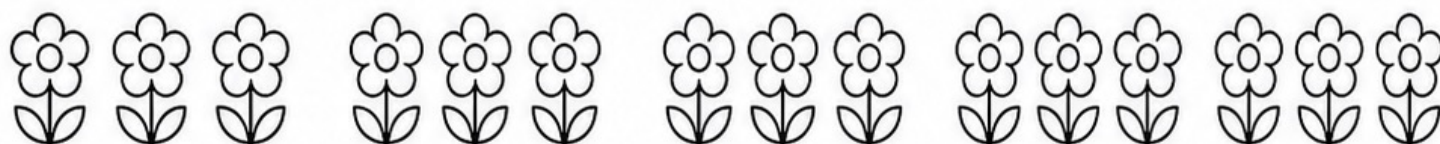
_____ groups of 3

3.



_____ groups of 3

4.



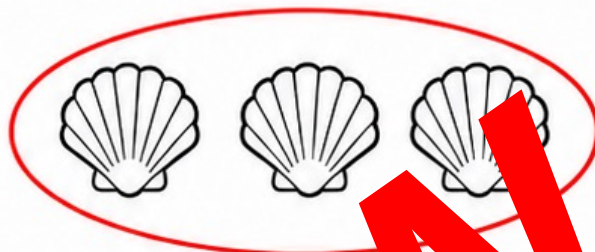
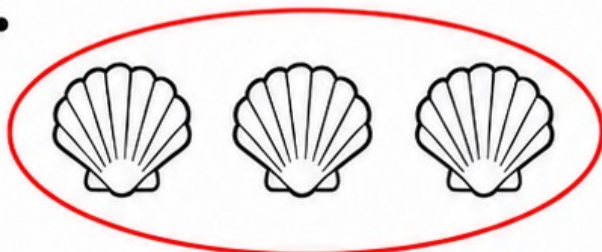
_____ groups of 3

Make Equal Groups – Groups of 3

Name: ANSWERS

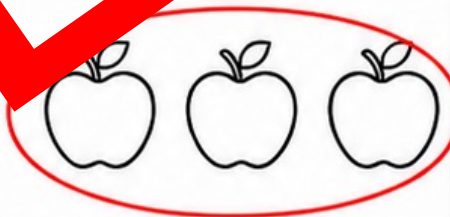
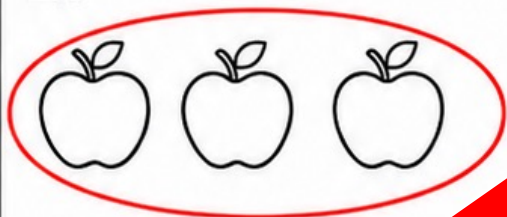
Circle the objects into groups of 3. Count the groups.

1.



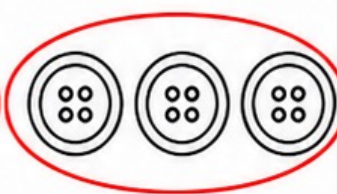
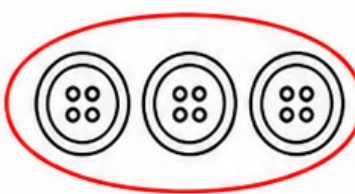
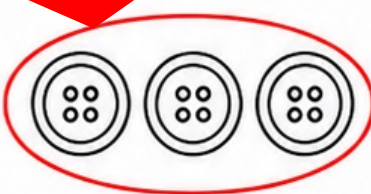
2 groups of 3

2.



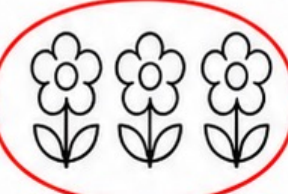
3 groups of 3

3.



4 groups of 3

4.



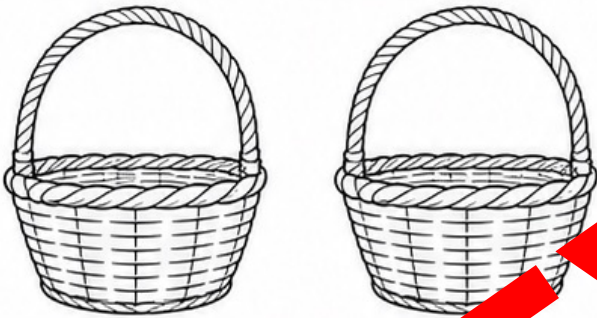
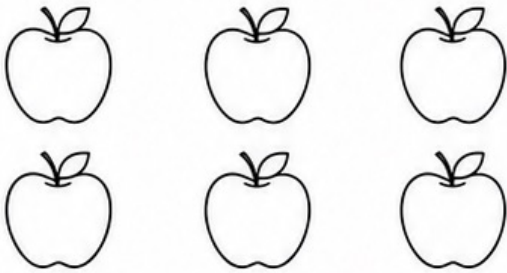
5 groups of 3

Grouping Detective – Share

Name: _____

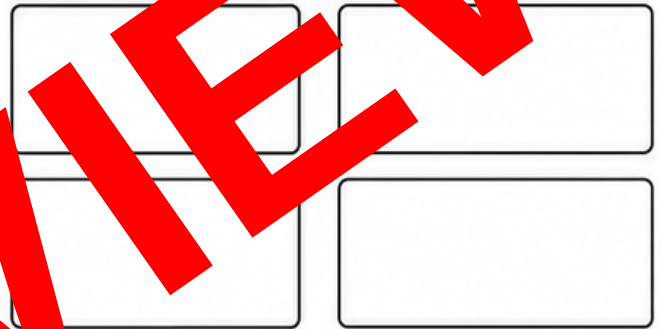
Share the objects equally. Then describe the groups.

1. Share 6 apples between 2 baskets.



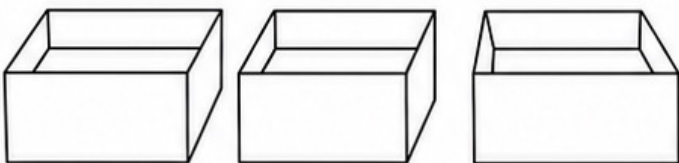
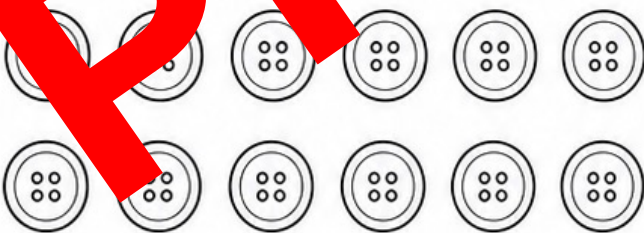
_____ groups of _____

2. Share 8 stars among 4 mats.



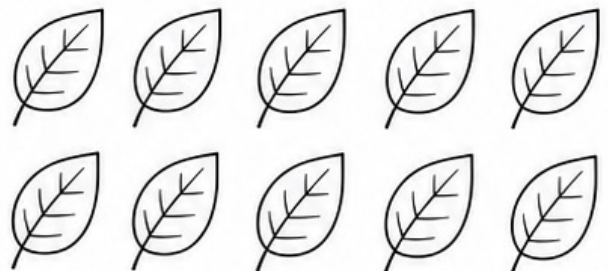
_____ groups of _____

3. Share 12 buttons among 3 boxes.



_____ groups of _____

4. Share 10 leaves between 2 nests.



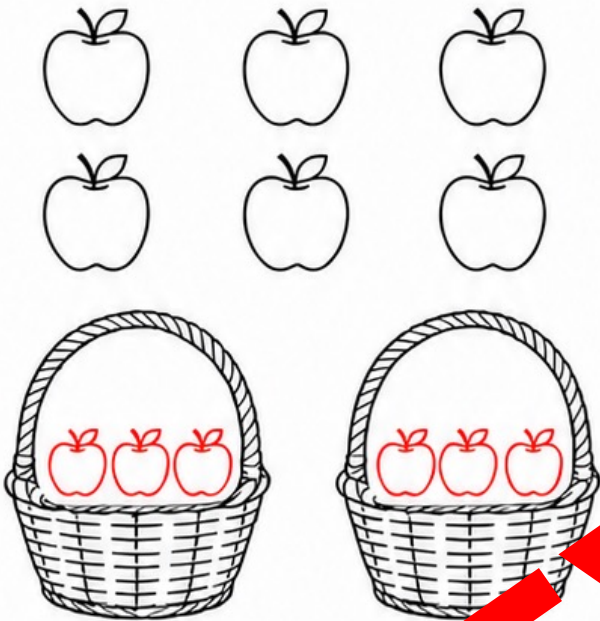
_____ groups of _____

Grouping Detective – Share

Name: ANSWERS

Share the objects equally. Then describe the groups.

1. Share 6 apples between 2 baskets.



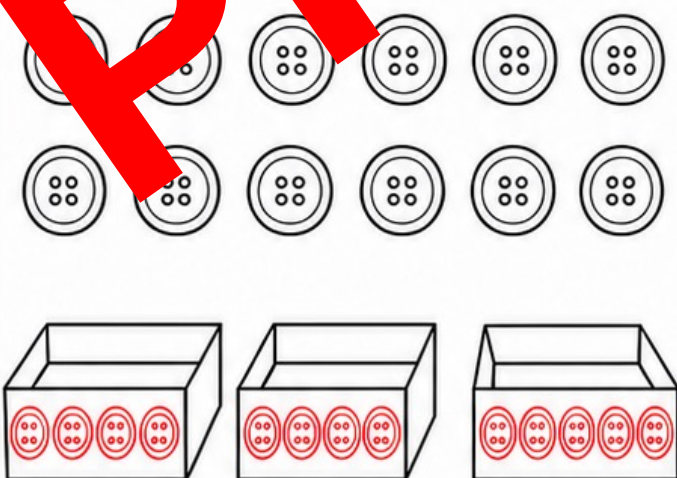
2 groups of 3

2. Share 8 stars among 4 mats.



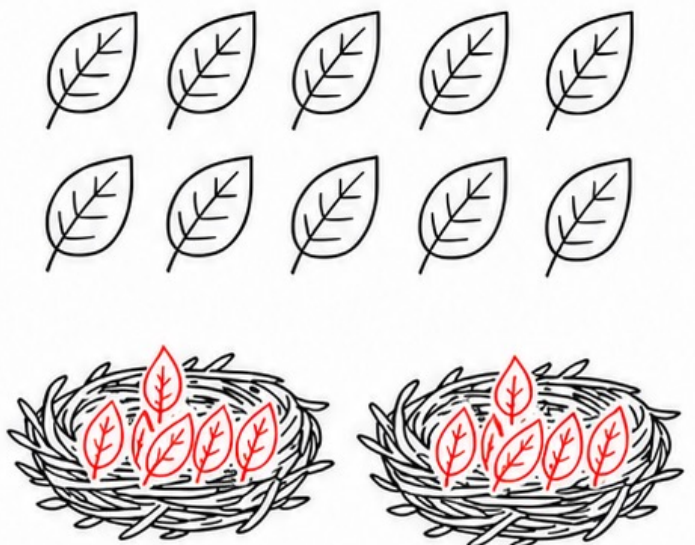
4 groups of 2

3. Share 12 buttons among 3 boxes.



3 groups of 4

4. Share 10 leaves between 2 nests.



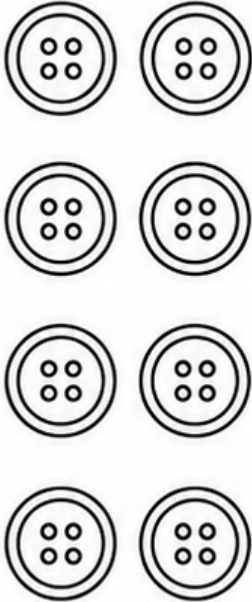
2 groups of 5

Grouping Detective – Group

Name: _____

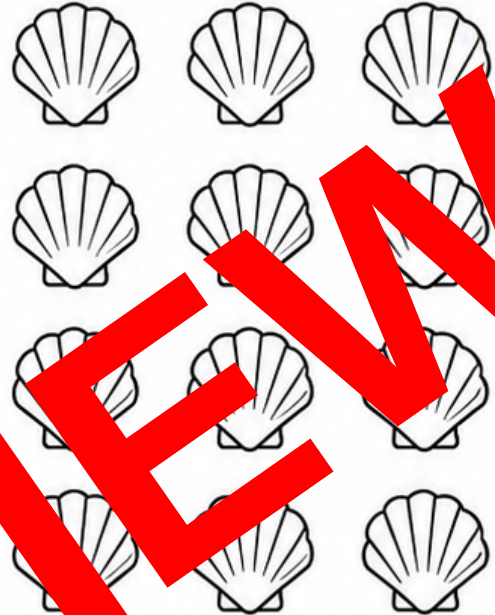
Circle groups of the stated size. Count the groups.

1. Make groups of 2 from 8 buttons.



____ groups

2. Make groups of 3 from 12 shells.



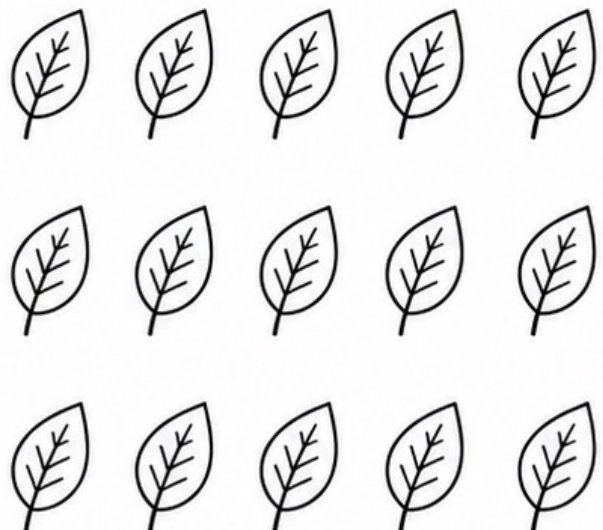
____ groups

3. Make groups of 4 from 12 stars.



____ groups

4. Make groups of 5 from 15 leaves.



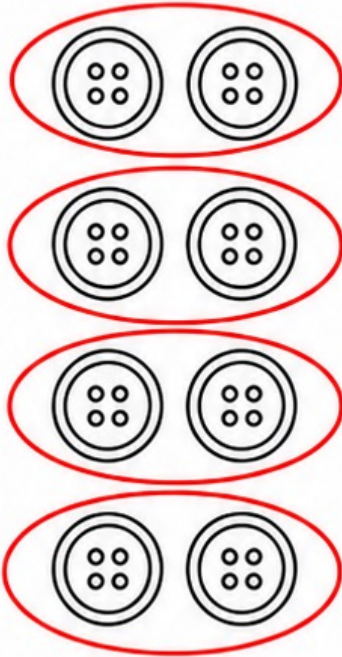
____ groups

Grouping Detective – Group

Name: _____ **ANSWERS**

Circle groups of the stated size. Count the groups.

1. Make groups of 2 from 8 buttons.



4 groups

2. Make groups of 3 from 12 shells.



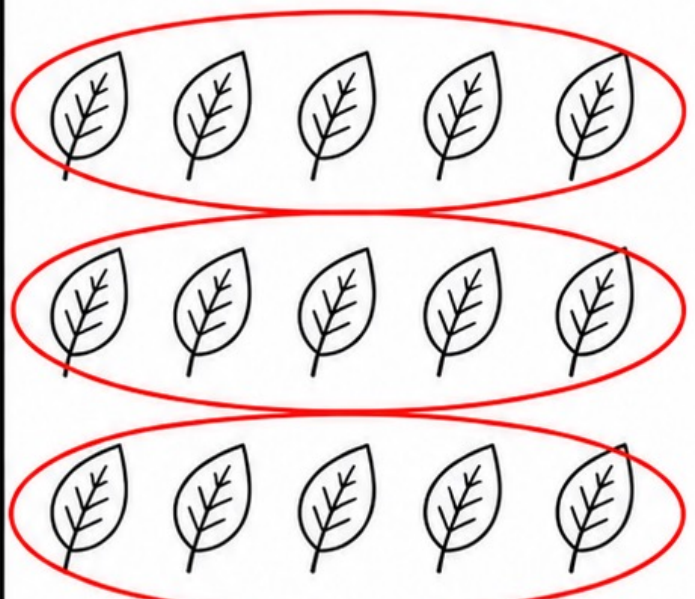
4 groups

3. Make groups of 4 from 12 stars.



3 groups

4. Make groups of 5 from 15 leaves.



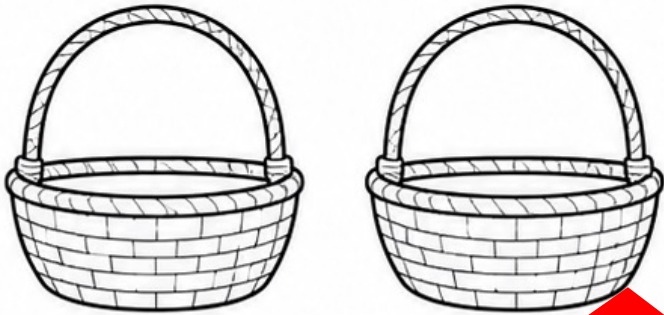
3 groups

Leftover Lookout – Share and Check

Name: _____

Share equally. Record how many each group gets and how many are left over.

1. Share 5 apples between 2 baskets.



Each: _____ Left over: _____

2. Share 7 shells among 3 buckets.



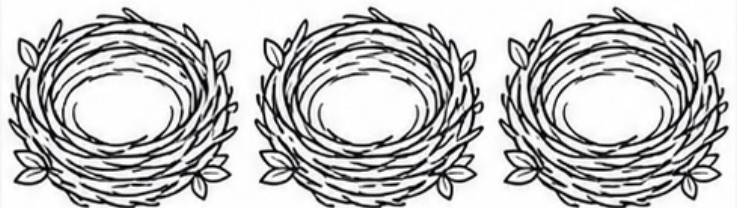
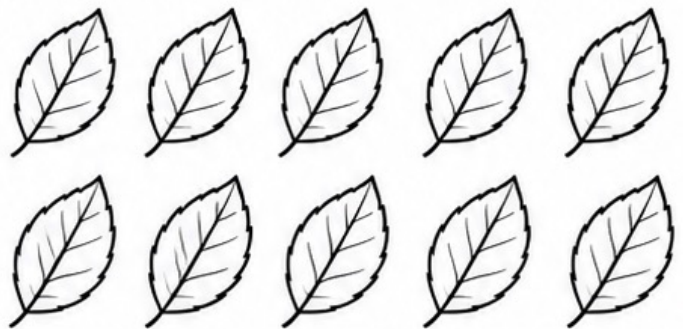
Each: _____ Left over: _____

3. Share 9 stars between 2 jars.



Each: _____ Left over: _____

4. Share 10 leaves among 3 nests.



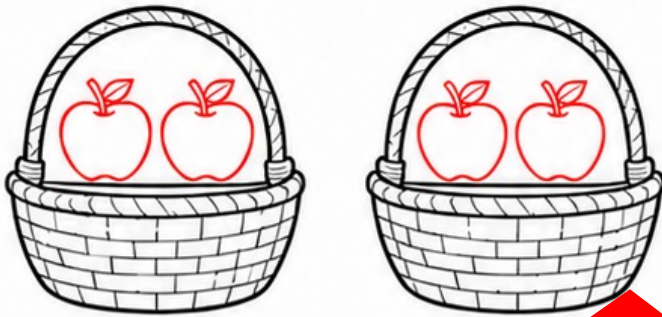
Each: _____ Left over: _____

Leftover Lookout – Share and Check

Name: ANSWERS

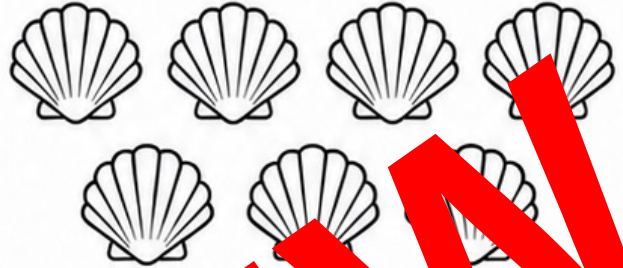
Share equally. Record how many each group gets and how many are left over.

1. Share 5 apples between 2 baskets.



Each: 2 Left over: 1

2. Share 7 shells among 3 buckets.



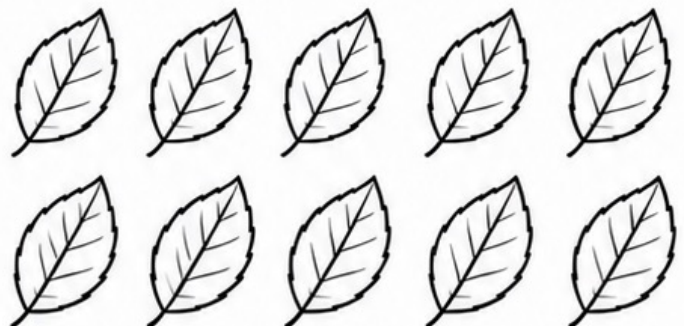
Each: 2 Left over: 1

3. Share 9 stars between 2 jars.



Each: 4 Left over: 1

4. Share 10 leaves among 3 nests.



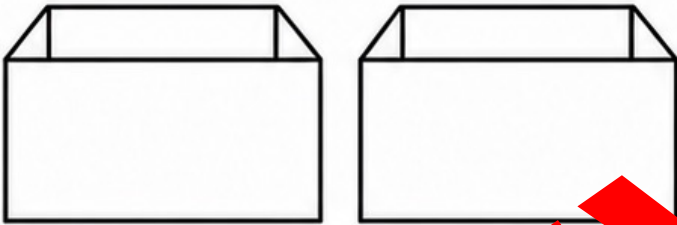
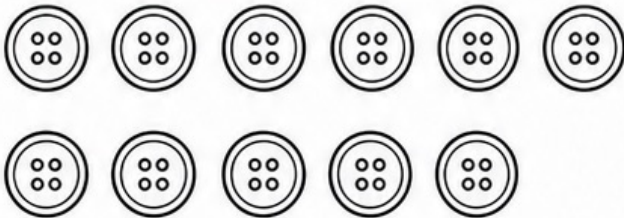
Each: 3 Left over: 1

Leftover Lookout – Challenge

Name: _____

Share equally. Record how many each group gets and how many are left over.

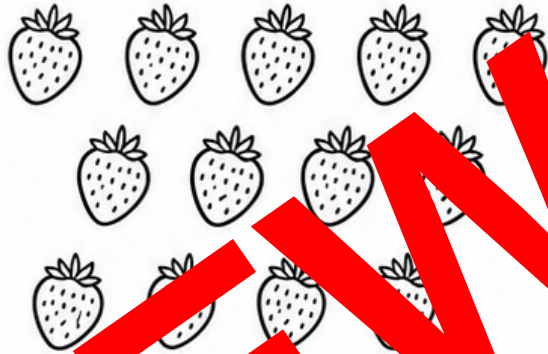
1. Share 11 buttons between 2 boxes.



Each: _____

Left over: _____

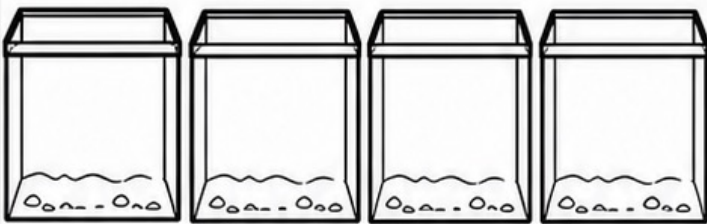
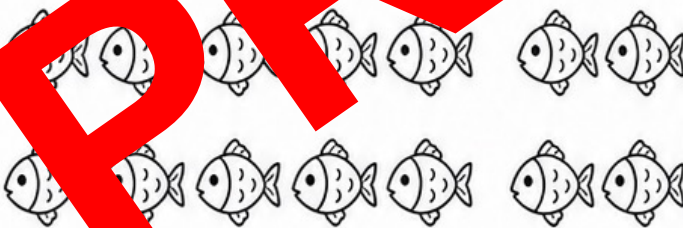
2. Share 13 berries among 3 bowls.



Each: _____

Left over: _____

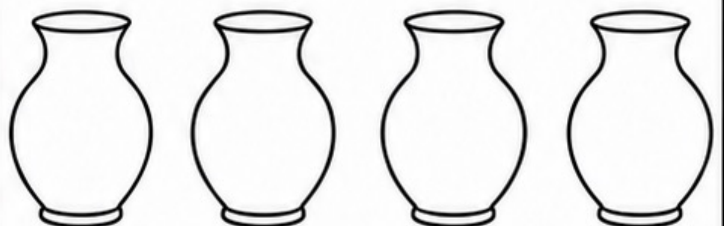
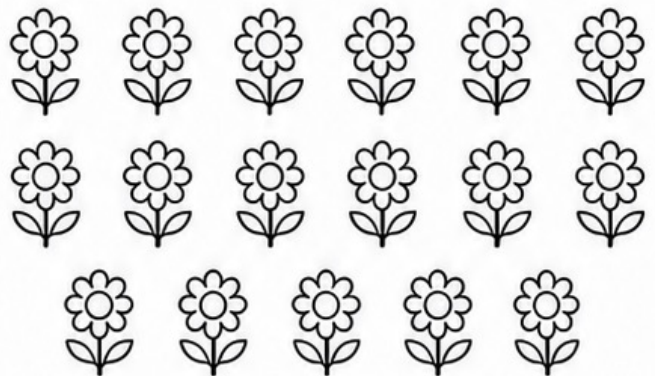
3. Share 12 fish among 4 tanks.



Each: _____

Left over: _____

4. Share 17 flowers among 4 vases.



Each: _____

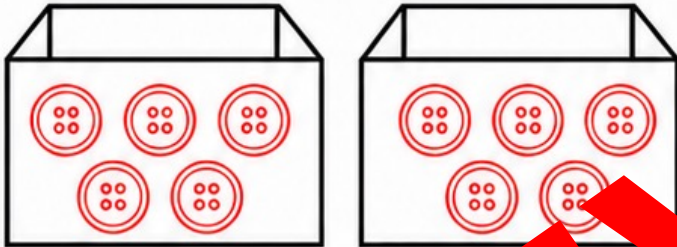
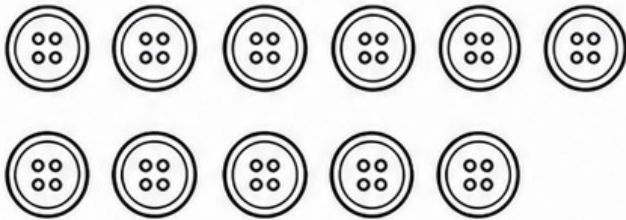
Left over: _____

Leftover Lookout – Challenge

Name: ANSWERS

Share equally. Record how many each group gets and how many are left over.

1. Share 11 buttons between 2 boxes.



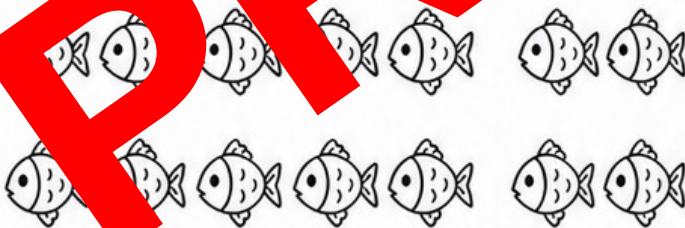
Each: 5 Left over: 1

2. Share 13 berries among 3 bowls.



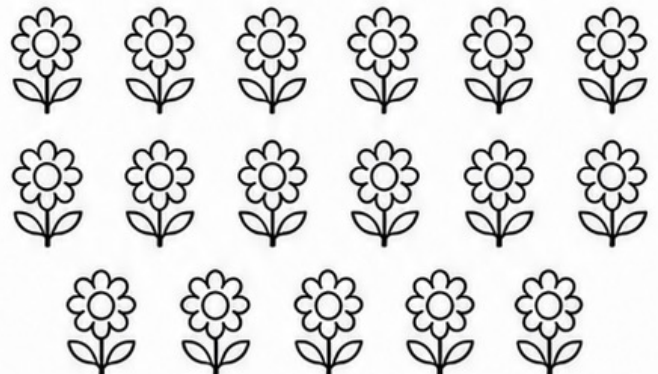
Each: 4 Left over: 1

3. Share 17 fish among 4 tanks.



Each: 3 Left over: 2

4. Share 17 flowers among 4 vases.



Each: 4 Left over: 1

My Sharing Story

Name: _____

I have _____ things.

I will share them into _____ equal groups.

Draw your groups.



Each group has _____.

There are _____ left over.

How did you check?

☐

I counted.

☐

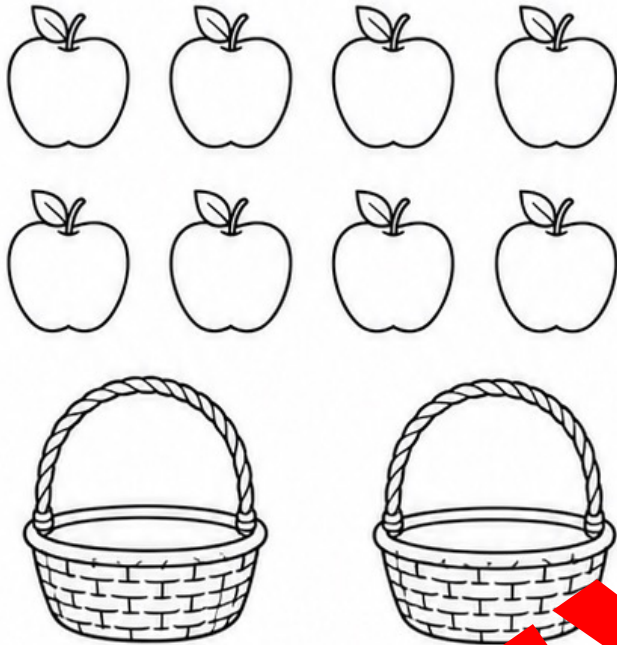
I subitised.

Picnic Basket Sharing Check

Name: _____

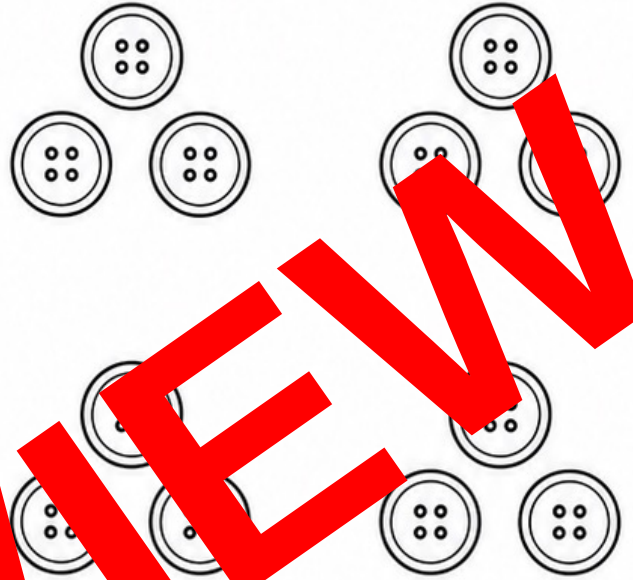
Foundation Mathematics Assessment

1. Share 8 apples between 2 baskets.



Each basket gets ____.

2. Circle 12 buttons into groups of 3.



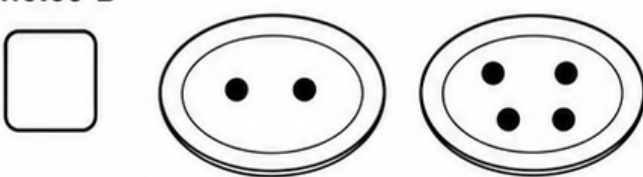
____ groups

3. Tick the equal shares.

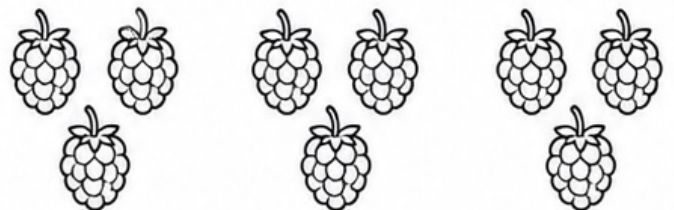
Choice A



Choice B



4. Draw 9 berries shared among 3 bowls.



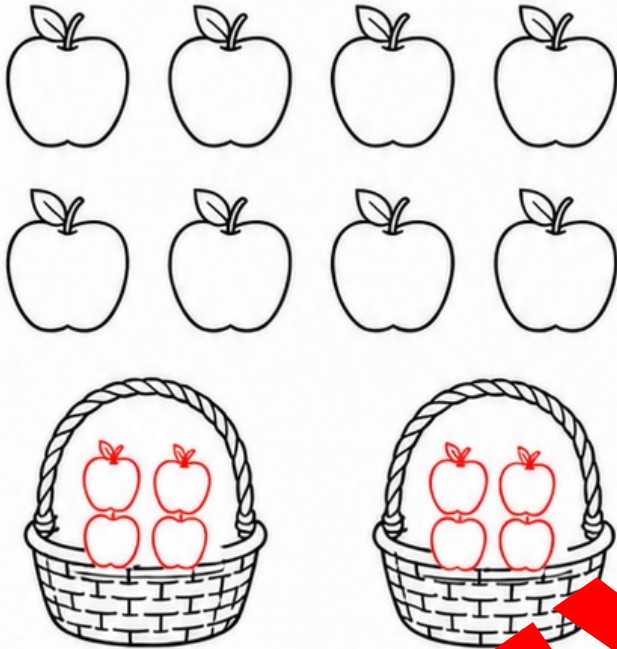
Each bowl gets ____.

Picnic Basket Sharing Check

Name: _____ **ANSWERS**

Foundation Mathematics Assessment

1. Share 8 apples between 2 baskets.



Each basket gets 4.

2. Circle 12 buttons into groups of 3.



4 groups

3. Tick the equal share

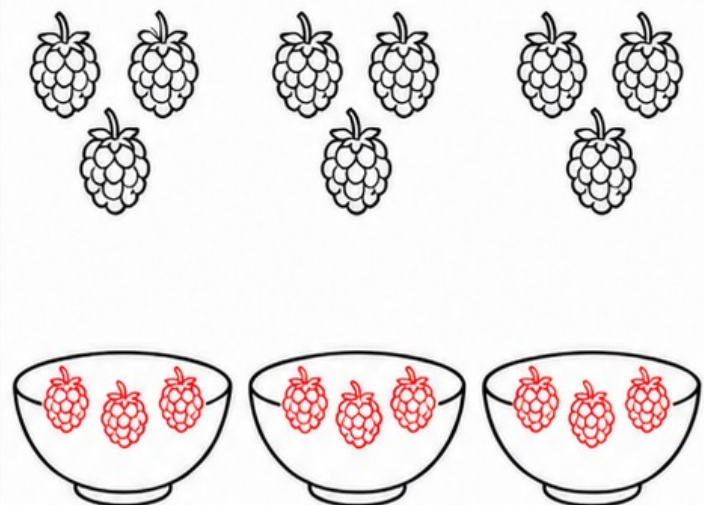
Choice A



Choice B



4. Draw 9 berries shared among 3 bowls.



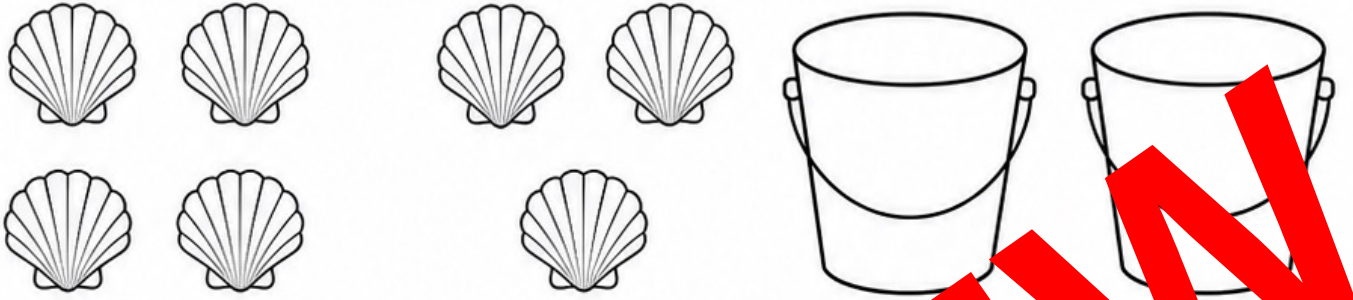
Each bowl gets 3.

Picnic Basket Sharing Check – Leftovers

Name: _____

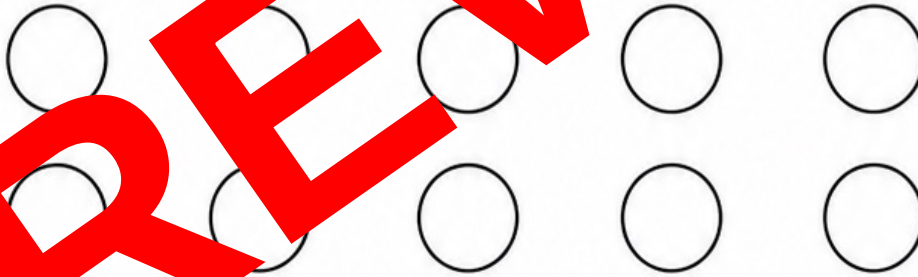
Foundation Mathematics Assessment – Page 2

1. Share 7 shells between 2 buckets.



Each: _____ Left over: _____

2. Make groups of 4 from counters.



Groups: _____ Left over: _____

3. How did you check?

☐

I counted.

☐

I subitised.

4. Show how you checked.

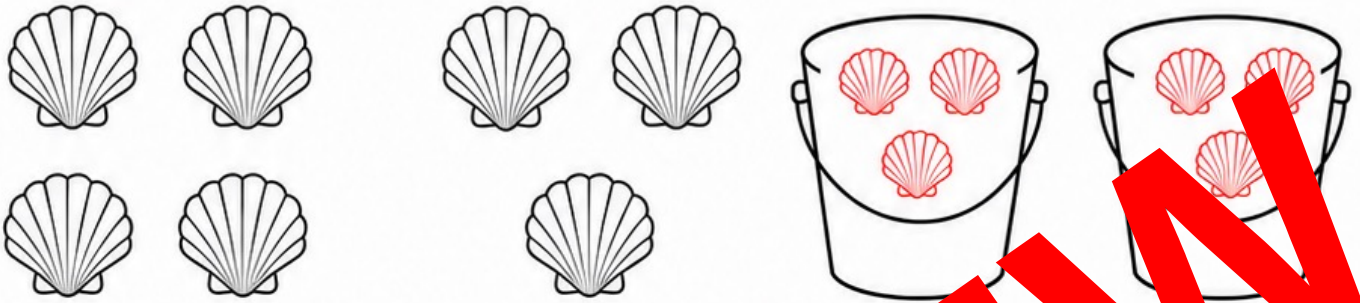
You can draw, circle or write numbers.

Picnic Basket Sharing Check – Leftovers

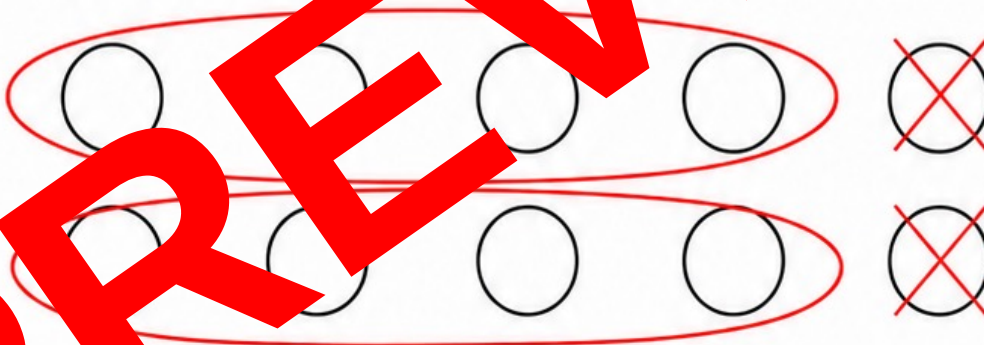
Name: **ANSWERS**

Foundation Mathematics Assessment – Page 2

1. Share 7 shells between 2 buckets.



2. Make groups of 4 from 10 counters.



3. How did you check?



I counted.



I subitised.

4. Show how you checked.

$$3 + 3 + 1 = 7$$

$$4 + 4 + 2 = 10$$

You can draw, circle or write numbers.

Equal Shares and Grouping Foundation Rubric

Student: _____

Date: _____

CRITERION	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Makes equal shares	Needs full support to share equally. ☐	Shares equally with prompts. ☐	Shares equally in familiar tasks independently. ☐	Shares equally in varied tasks and checks. ☐	Explains, applies and justifies equal sharing flexibly. ☐
Makes groups of a given size	Needs full support to make groups. ☐	Makes groups of a given size with prompts. ☐	Makes groups of a given size in familiar tasks independently. ☐	Makes groups of a given size in varied tasks and checks. ☐	Explains, applies and justifies grouping flexibly. ☐
Counts or subitises to check	Needs full support to count or subitise. ☐	Counts or subitises to check with prompts. ☐	Counts or subitises to check in familiar tasks independently. ☐	Counts or subitises to check in varied tasks and checks results. ☐	Explains, applies and justifies counting or subitising flexibly. ☐
Notices leftovers	Needs full support to notice leftovers. ☐	Notices leftovers with prompts. ☐	Notices leftovers in familiar tasks independently. ☐	Notices leftovers in varied tasks and checks. ☐	Explains, applies and justifies noticing leftovers flexibly. ☐
Explains or shows a strategy	Needs full support to explain or show a strategy. ☐	Explains or shows a strategy with prompts. ☐	Explains or shows a strategy in familiar tasks independently. ☐	Explains or shows a strategy in varied tasks and checks. ☐	Explains, applies and justifies strategies flexibly. ☐

Overall judgement: _____

Teacher notes: _____

Equal Sharing and Grouping



Learning Goal

We are learning to share and group objects equally.

- I can
- make equal groups
- make groups of a given size
- by counting or subitising



Equal Means the Same

An equal share gives the same amount to every group.

If one group has more or less, the share is not equal.



Equal or Not Equal

Compare each group.

Equal: 2 and 3

Not equal: 4 and 1

Ask: Does every group have the same amount?



How to Share Equally

1. Make the groups.
2. Decide the objects in each group.
Keep going one by one.
Count and subitise to check.



Let's Share 8

Share 8 counters between 2 mats

Deal one counter to each mat until none remain.

How many will be on each mat?



Answer: 4 Each

8 counters shared between 2 mats gives 4 on each mat.

$$4 + 4 = 8$$

Both shares are equal.



Let's Share 9

Share 9 shells among 3 buckets.

Draw one shell to each bucket.

How many will be in each bucket?



Answer: 3 Each

9 shells shared among 3 buckets gives 3 in each bucket.

$$3 + 3 + 3 = 9$$



Grouping Is Different

Grouping asks: How many equal groups can I make?
If the group size is already known.



Make Groups of

Make groups of 2 from 10 counters.

Give 2 counters to a friend.

How many groups can you make?



Answer: 5 Groups

10 counters in 5 groups of 2.

$$2 + 2 + 2 + 2 + 2$$



Sharing and Grouping

Sharing: the number of groups is known.
Example: share 12 among 3 groups.

Grouping: the size of each group is known.
Example: make groups of 3 from 12.



What Is a Leftover?

A leftover is an item that cannot be placed without making the groups unequal.

Leftovers stay outside the equal groups.



Let's Share 7

Share 7 counters between 2 groups.

Deal one out at a time.

How many in each group?

How many are left over?



Answer: 3 Each, 1 Left

3 counters go on each mat.

counter is now

$$3 + 3 + 1 = 7$$



Count or Subitise

Count when you need to touch each object.

Subitise when you recognise an amount quickly.

Use a number strategy to check equal groups.



Try It With Counters

Use 12 counters.

- Share them into 2 equal groups.
- Share them into 3 equal groups.
- Make groups of 4.

Explain how you checked.



I Can Check My Work

- ✓ Every group has the same amount.
- ✓ I counted and multiplied.
- ✓ I noticed any patterns.
- ✓ I can explain my strategy.





Well Done!

FREE



Equal Sharing and Grouping Quiz



Question 1

Share 6 apples between 2 baskets

- A. 2 each
- B. 3 each
- C. 4 each
- D. 6 each



Answer 1

B. each

$$3 + 3 = 6$$



Question 2

True or false?

A shape with 4 corners and 4 sides is equal.



Answer 2

Both groups have



Question 3

Share 2 stars among 3 mats.

How many stars are on 1 mat?



Answer 3

2 on each man

$$2 + 2 + 2 + 2 =$$



Question 4

Make groups of 2 from 10 buttons

How many groups?

- A. 2 B. 5
C. 10 D. 12



Answer 4

B. 3 groups

Five groups of 2 make 10.



Question 5

True or False?

7 objects shared between 2 groups has no leftover.



Answer 5

3 in each group and 1 left over.



Question 6

Share 9 shells among 3 buckets.

How many shells are in each bucket?



Answer 6

in each bucket

$$3 + 3 + 3 = 9$$



Question 7

Which result is equal?

A. $4 \div 4$

B. $3 \text{ and } 6$

C. $2 \text{ and } 6$

D. $1 \text{ and } 7$



Answer 7

A. and 4

Both groups have the same amount.



Question 8

Make groups of from 1 counters

How many groups



Answer 8

4 groups

$$3 + 3 + 3 + 3 =$$



Question 9

True or false?

A leftover is an item that cannot be placed without making groups of unequal size.



Answer 9

A letter stays outside the final groups.



Question 10

Share 11 flowers between 2 vases

- A. 4 each, 3 left
- B. 5 each, 1 left
- C. 6 each, none left
- D. 3 each, 5 left



Answer 10

3. 5 c 1 let

$$5 \times 5 + 1 = 11$$





Well Done!

FREE

