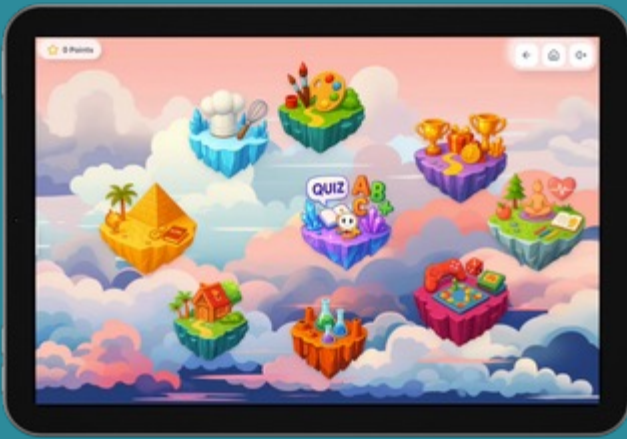


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Equal Sharing and Grouping - Year 1

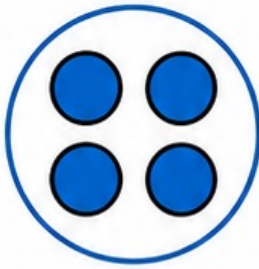
Table of Contents	
Presentation: Equal Sharing and Grouping	
Display: Share, Group, Check	
Equal Sharing and Grouping Reference Card	
Activity: Fair Share Picnic Mats	
Activity: Ocean Sharing Mats	
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Worksheet: Share It Fairly	
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Worksheet: Leftover Detectives	
Worksheet: Draw and Explain Equal Groups	
Worksheet: Choose a Strategy Challenge	
Quiz: Equal Sharing and Grouping	
Assessment: Animal Shelter Sharing Day	
Rubric: Equal Sharing and Grouping Year 1 Rubric	



SHARE, GROUP, CHECK



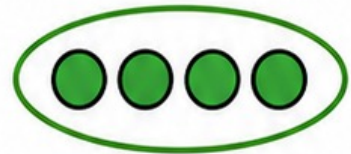
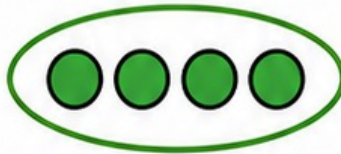
SHARE: make a known number of equal groups and find how many are in each group.



12 counters into 3 groups of 4 in each



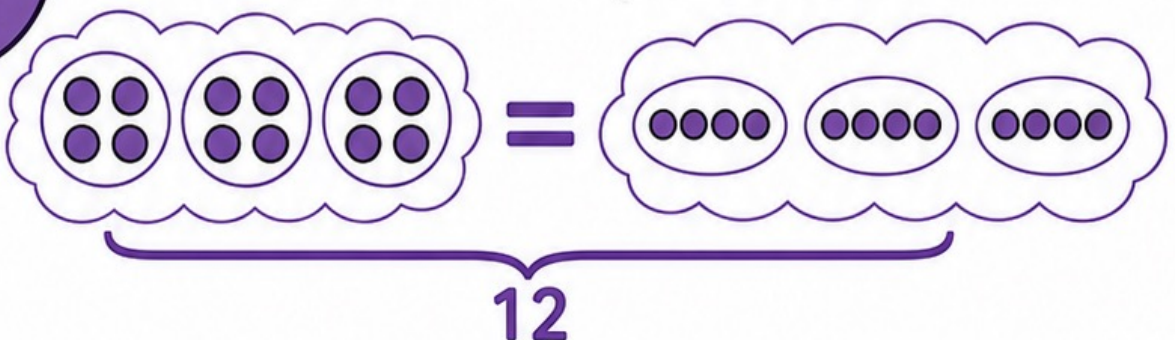
GROUP: make groups of a known size and find how many groups.



12 counters in groups of 4 = 3 groups

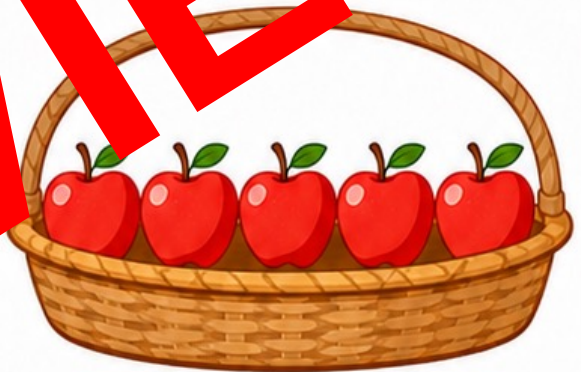
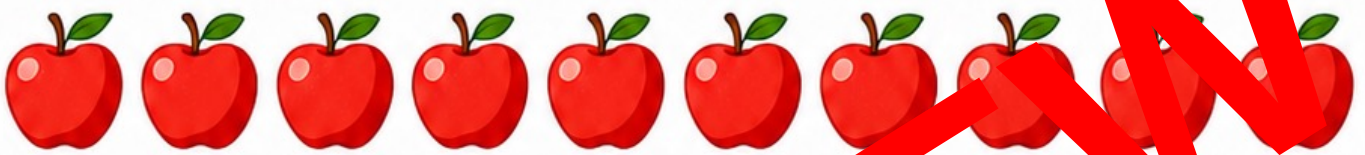


CHECK: every group is equal and the total stays the same.

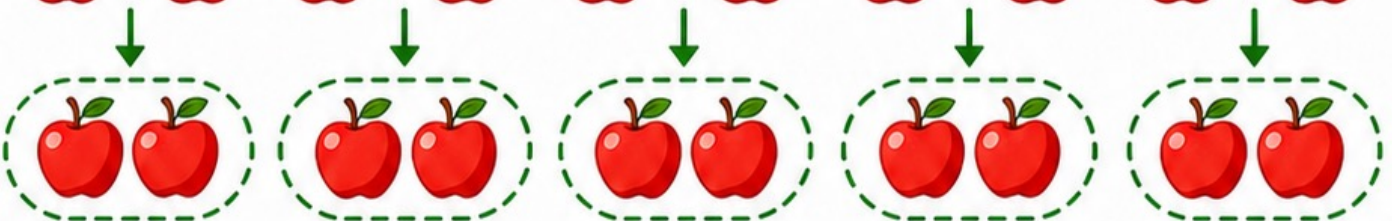


EQUAL SHARING AND GROUPING

Sharing 10 apples between 2 baskets gives 5 in each basket.



Grouping 10 apples in groups of 2 makes 5 groups.



Equal means the same number in every group.

FAIR SHARE PICNIC

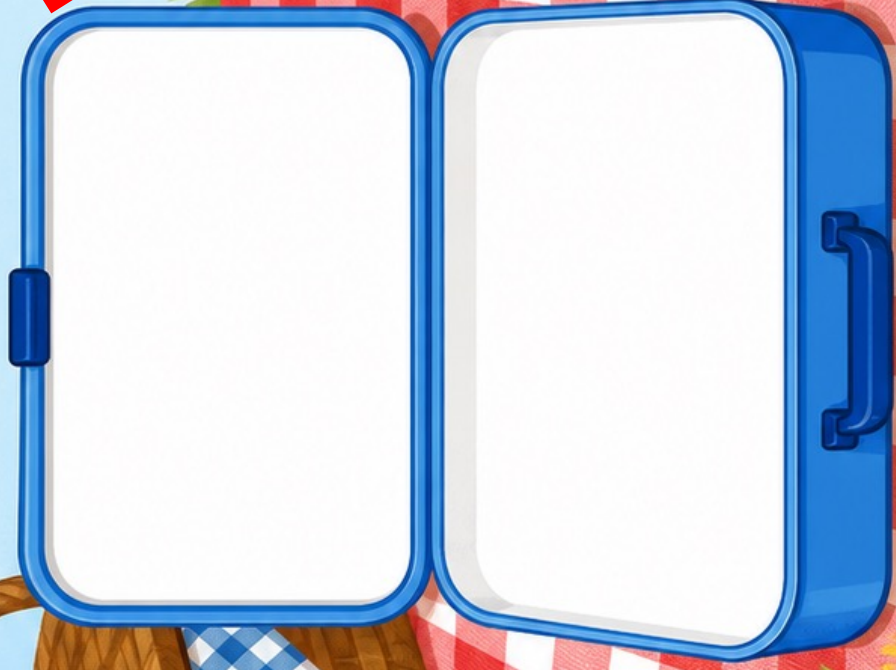
Share 12 apples equally between 2 baskets.



There are _____ apples in each basket.

FAIR SHARE PICNIC

Share 15 sandwiches equally among 3 lunchboxes.



There are _____ sandwiches in each lunchbox.

OCEAN SHARING MAT

Share 10 shell counters equally between 2 rock pools.

There are ____ shells in each pool.

OCEAN SHARING MAT

Share 12 star counters equally among 3 rock pools.

There are ____ stars in each pool.

OCEAN SHARING MAT

Share 16 pebble counters equally among 4 tide pools.

There are ____ pebbles in each pool.

OCEAN SHARING MAT

Share 20 bubble counters equally among 5 fish.

Each fish gets ____ bubbles.



MARBLE MUNCHER

— HOW TO PLAY —

1. Pick a card.



2. Take that many marble counters.



3. Share them equally into the number of bowls on the card.



4. Say how many are in each bowl and how many are left over.



5. Keep the card if your check is correct.
First to 5 cards wins!



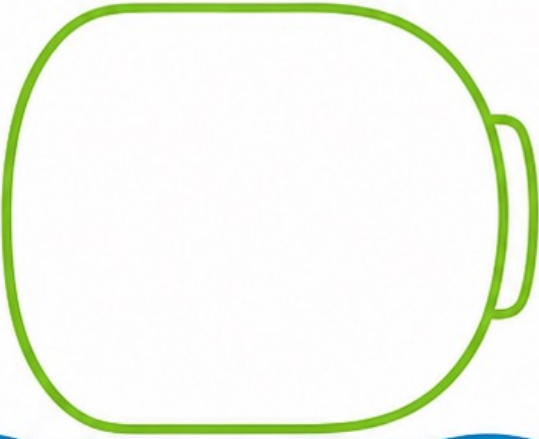


MARBLE MUNCHER MAT

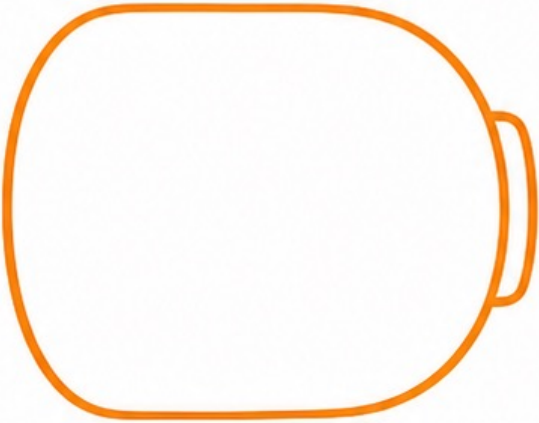


Use only the number of bowls on your card.

1



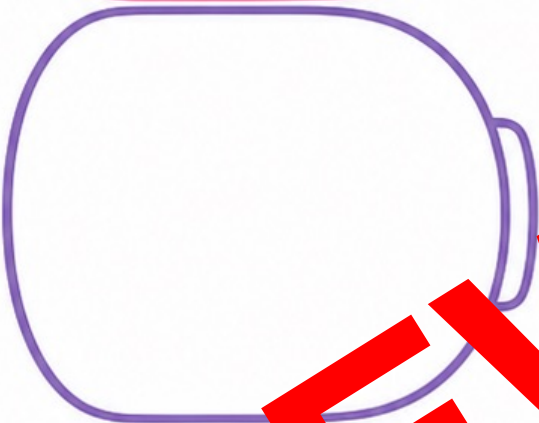
2



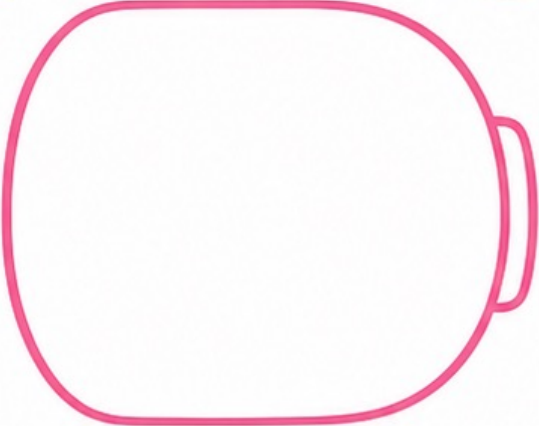
3



4



5



In each bowl: ____

Left over: ____



MARBLE COUNTERS

Cut on the dotted lines.



MARBLE MUNCHER CARDS

Share 8
marbles
between
2 bowls



Share 10
marbles
between
2 bowls



Share 12
marbles
among
3 bowls



Share 15
marbles
among
3 bowls



Share 16
marbles
among
4 bowls



Share 20
marbles
among
4 bowls



Share 15
marbles
among
3 bowls



Share 20
marbles
among
5 bowls



Share 11
marbles
between
2 bowls



Share 14
marbles
among
3 bowls



Share 18
marbles
among
4 bowls



Share 17
marbles
among
5 bowls



SHADING TRAIL

Roll. Move. Pick a card. Solve with counters. Stay if your groups are equal; move back 1 if they are not.



SHARING TRAIL CARDS

Share 6
berries
between 2 birds



Make groups
of 2 with
10 buttons



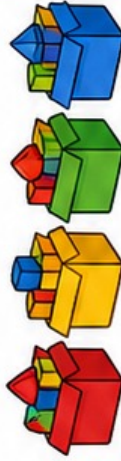
Share 12
pencils
among 3 pots



Make groups
of 3 with
15 shells



Share 16
blocks
among 4 boxes



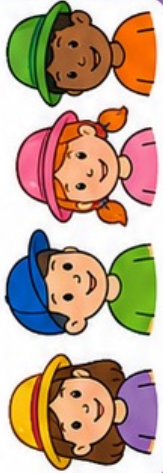
Share 11
treats
among 3 dogs



Make groups
of 5 with
17 counters



Share 14
hats
among 4 children



Make groups
of 3 with
13 stars



Share 18
cards
among 3 players



Make groups
of 4 with
19 pebbles

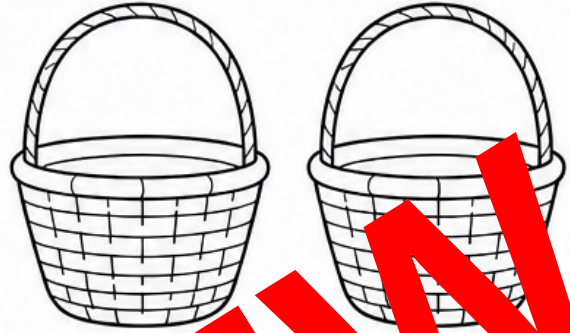
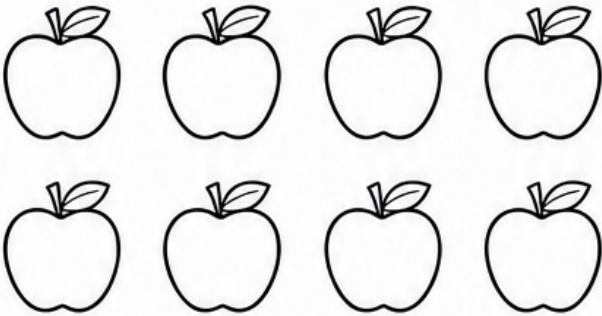


SHARE IT FAIRLY - PAGE 1

Name: _____

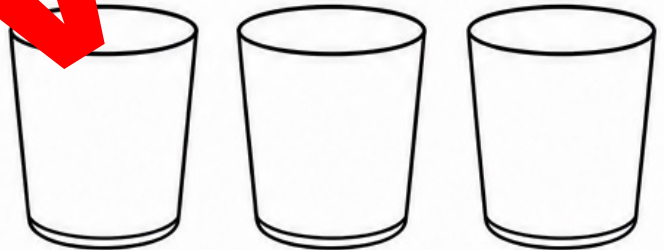
Draw or circle to share each collection equally. Write how many each group gets.

1 8 apples between 2 baskets



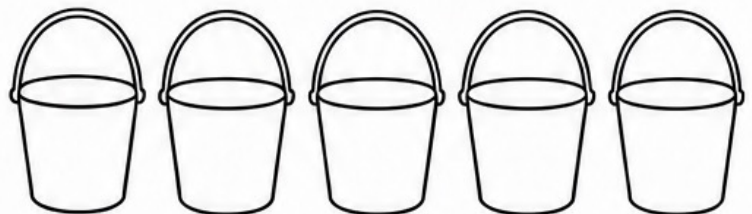
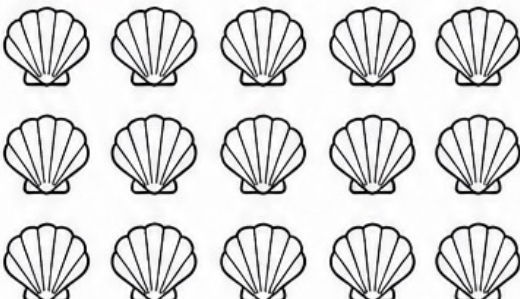
Each gets _____

2 12 crayons among 3 cups



Each gets _____

3 15 shells among 5 buckets



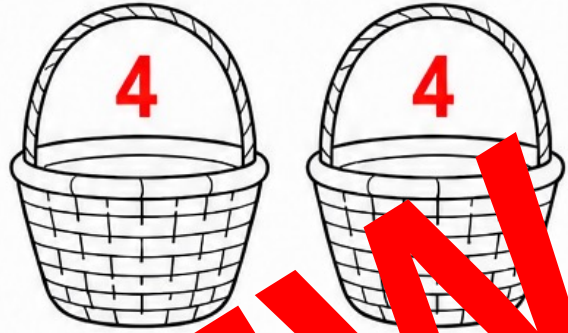
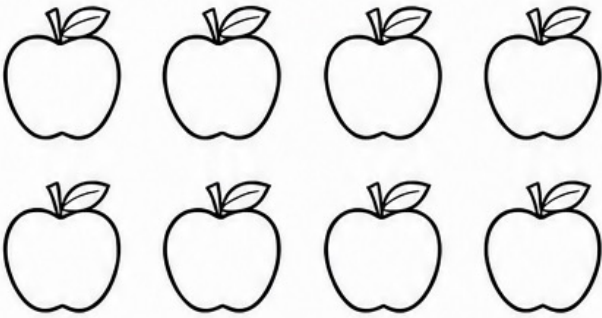
Each gets _____

SHARE IT FAIRLY - PAGE 1

Name: ANSWERS

Draw or circle to share each collection equally. Write how many each group gets.

1 8 apples between 2 baskets



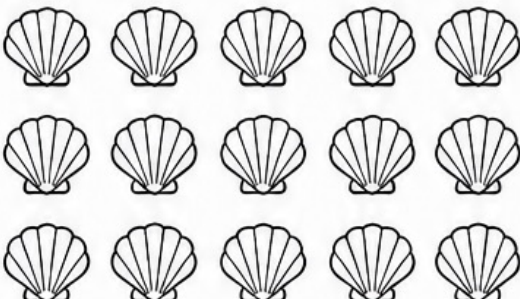
Each gets 4

2 12 crayons among 3 cups



Each gets 4

3 15 shells among 5 buckets



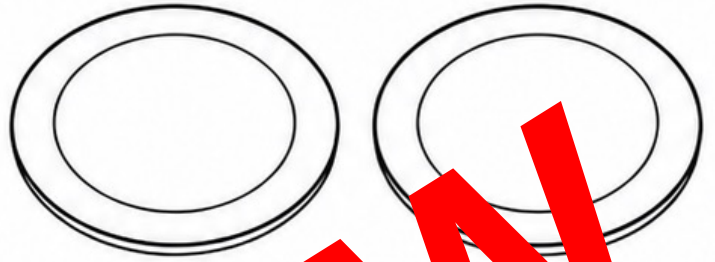
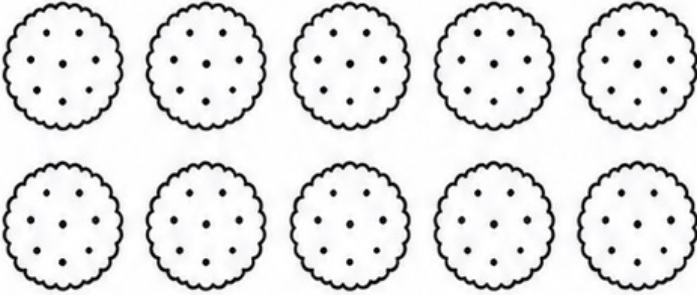
Each gets 3

SHARE IT FAIRLY - PAGE 2

Name: _____

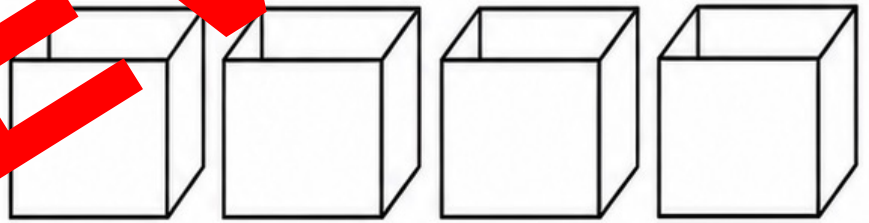
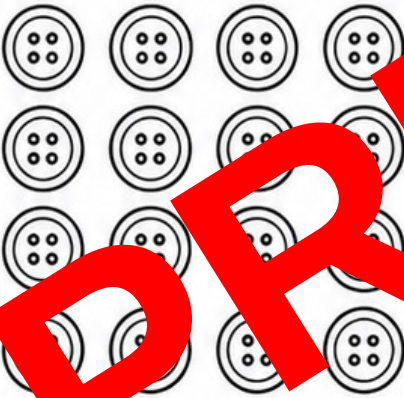
Draw or circle to share each collection equally. Write how many each group gets.

① 10 biscuits between 2 plates



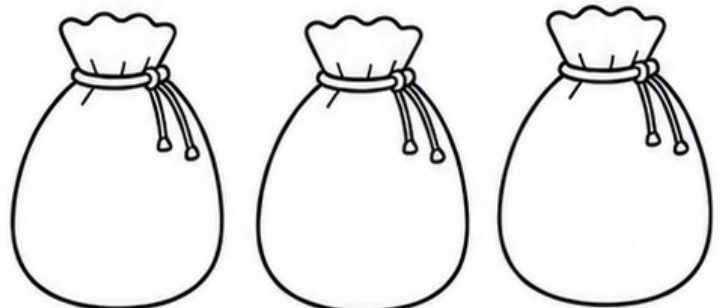
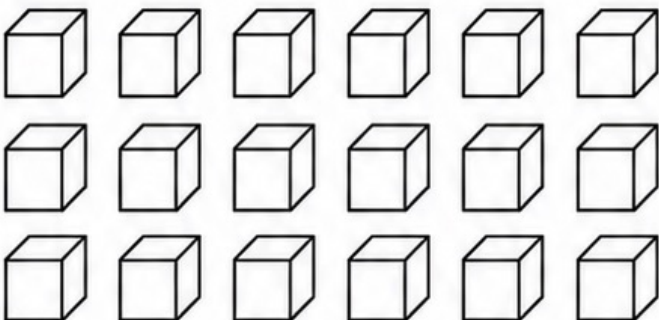
Each gets _____

② 16 buttons among 4 boxes



Each gets _____

③ 18 blocks among 3 bags



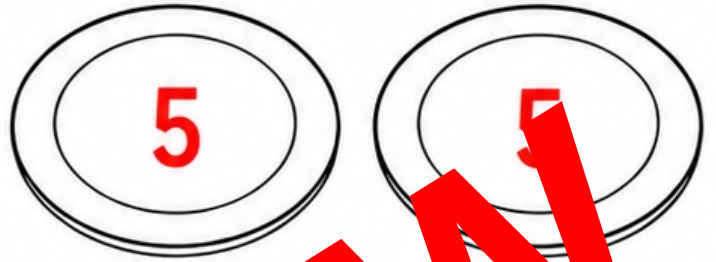
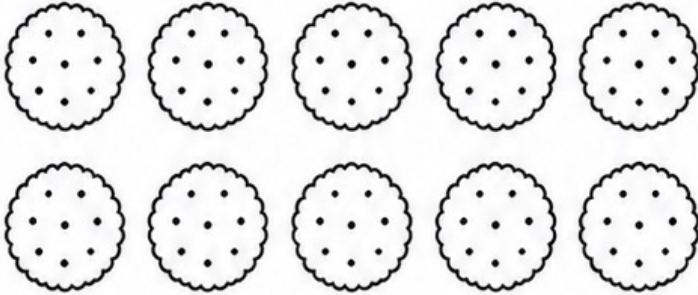
Each gets _____

SHARE IT FAIRLY - PAGE 2

Name: ANSWERS

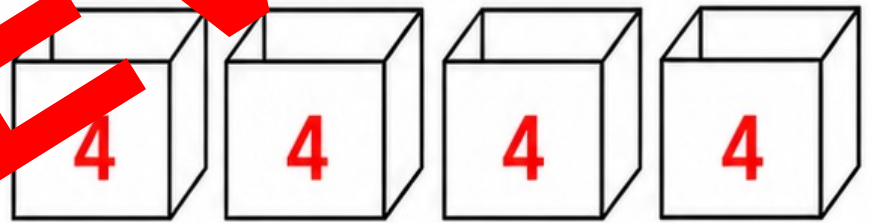
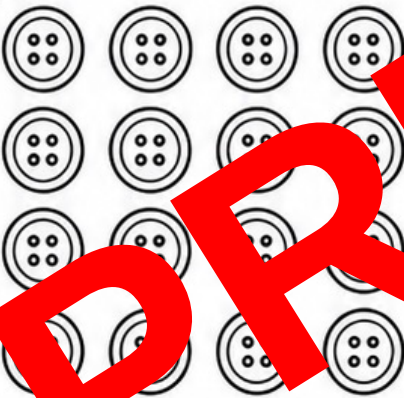
Draw or circle to share each collection equally. Write how many each group gets.

① 10 biscuits between 2 plates



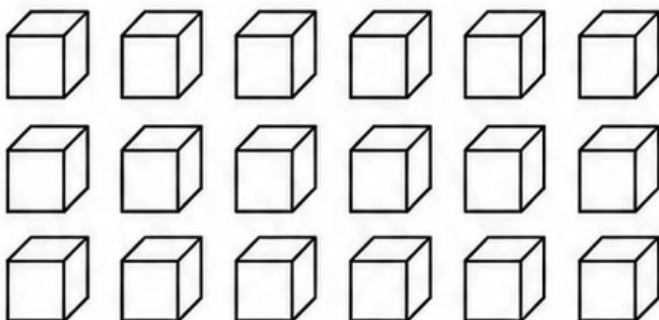
Each gets 5

② 16 buttons among 4 boxes



Each gets 4

③ 18 blocks among 3 bags



Each gets 6

BUILD EQUAL GROUPS - PAGE 1

Name: _____

Circle equal groups. Then write the number of groups and the group size.

1. 12 stars in groups of 3



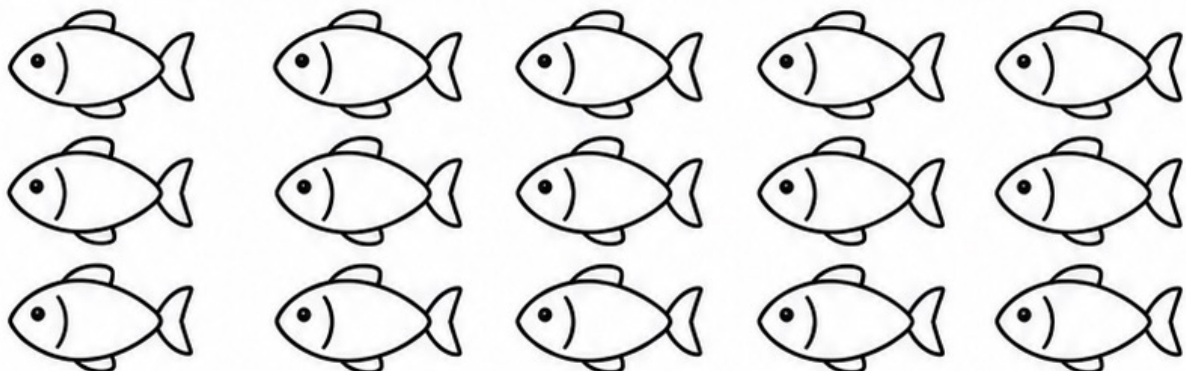
_____ groups of _____

2. 16 leaves in groups of 4



_____ groups of _____

3. 15 fish in groups of 5



_____ groups of _____

BUILD EQUAL GROUPS - PAGE 1

Name: ANSWERS

Circle equal groups. Then write the number of groups and the group size.

1. 12 stars in groups of 3



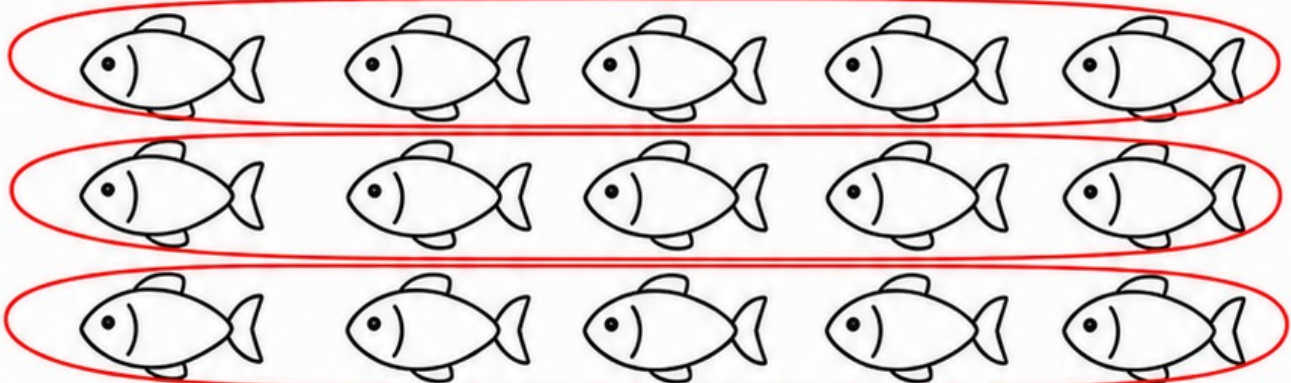
4 groups of 3

2. 16 leaves in groups of 4



4 groups of 4

3. 15 fish in groups of 5



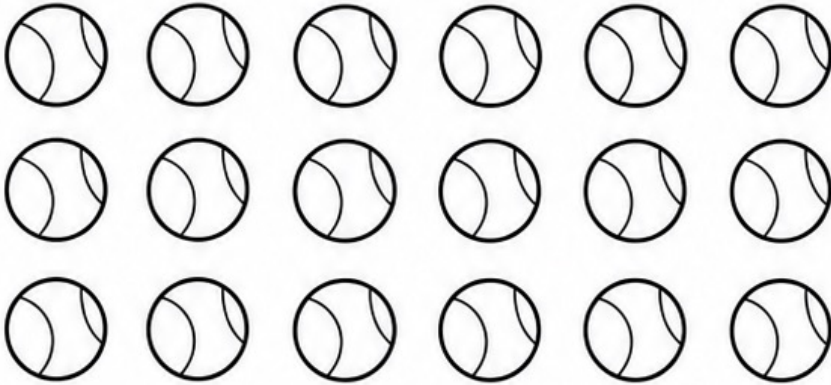
3 groups of 5

BUILD EQUAL GROUPS - PAGE 2

Name: _____

Circle equal groups. Then write the number of groups and the group size.

1 18 balls in groups of 2



_____ groups of _____

2 20 beads in groups of 5



_____ groups of _____

3 Draw 4 equal groups of 3 balloons. How many balloons altogether? _____

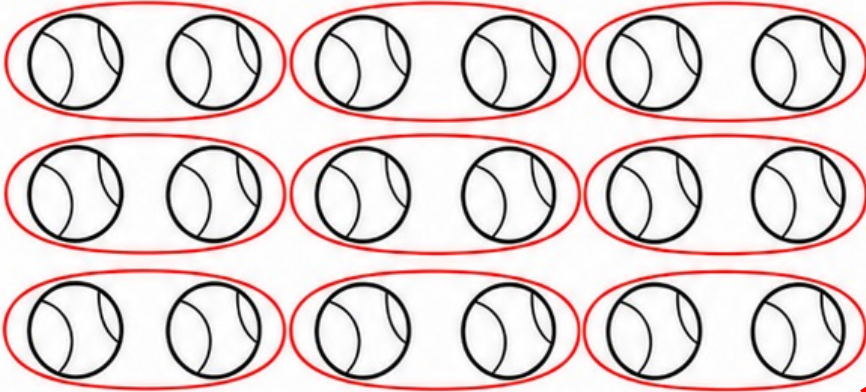
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BUILD EQUAL GROUPS - PAGE 2

Name: ANSWERS

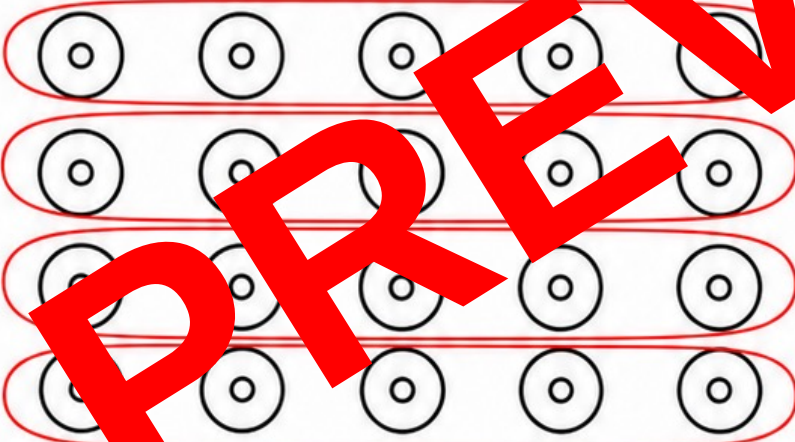
Circle equal groups. Then write the number of groups and the group size.

1 18 balls in groups of 2



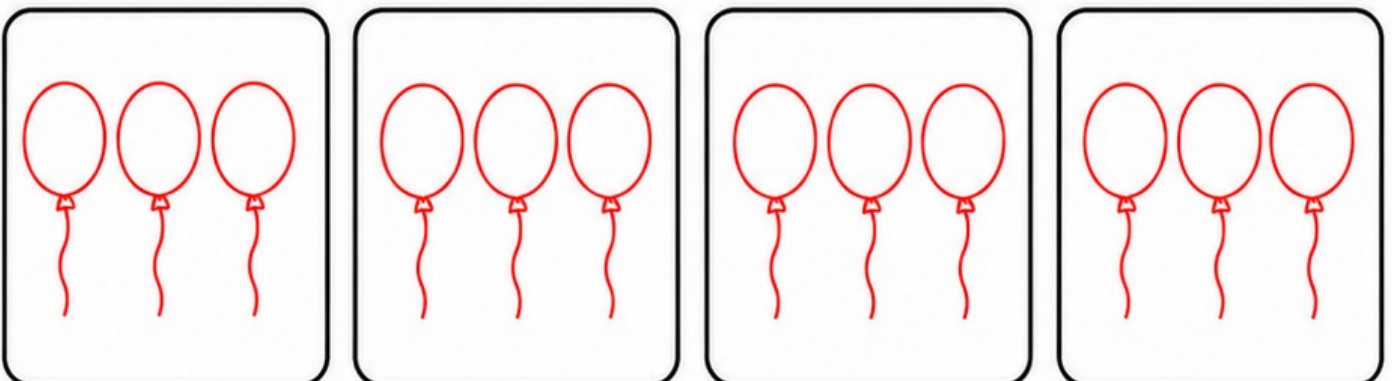
9 groups of 2

2 20 beads in groups of 5



4 groups of 5

3 Draw 4 equal groups of 3 balloons. How many balloons altogether? 12

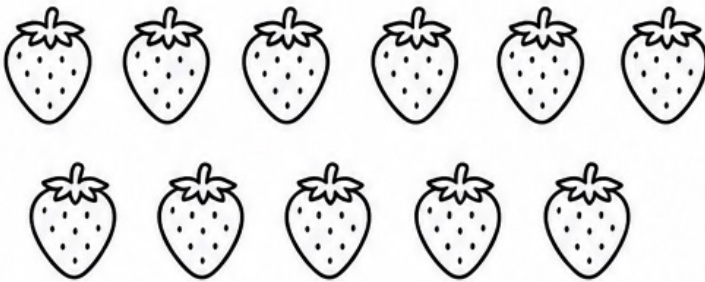


LEFTOVER DETECTIVES - PAGE 1

Name: _____

Share each collection equally. Write how many are in each group and how many are left over.

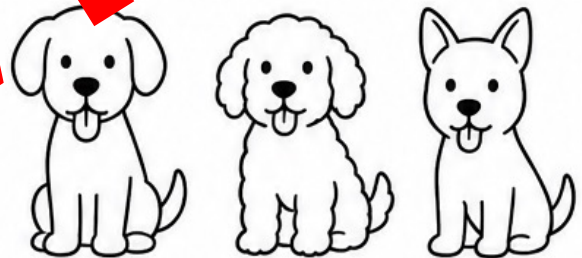
1. 11 berries between 2 bowls



Each group: _____

Left over: _____

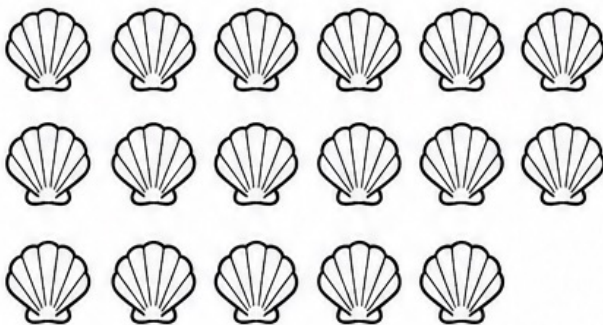
2. 14 biscuits among 3 dogs



Each group: _____

Left over: _____

3. 17 shells among 4 buckets



Each group: _____

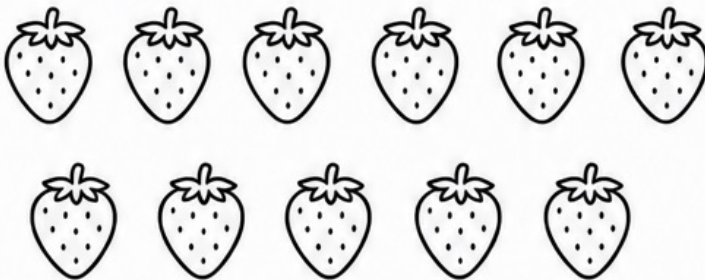
Left over: _____

LEFTOVER DETECTIVES - PAGE 1

Name: ANSWERS

Share each collection equally. Write how many are in each group and how many are left over.

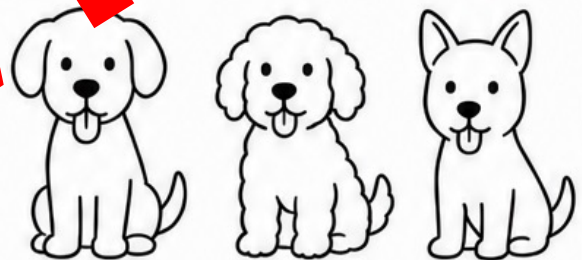
1. 11 berries between 2 bowls



Each group: 5

Left over: 1

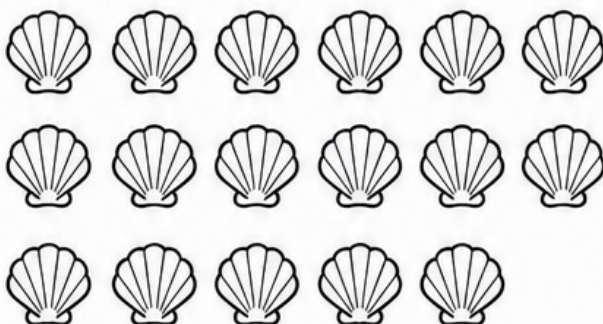
2. 14 biscuits among 3 dogs



Each group: 4

Left over: 2

3. 17 shells among 4 buckets



Each group: 4

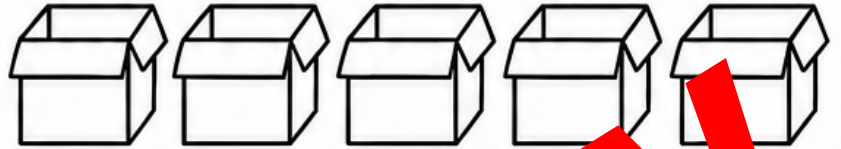
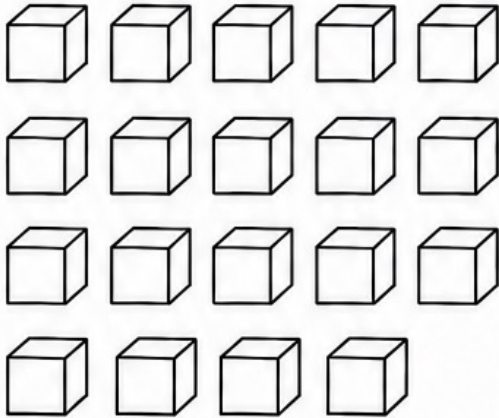
Left over: 1

LEFTOVER DETECTIVES - PAGE 2

Name: _____

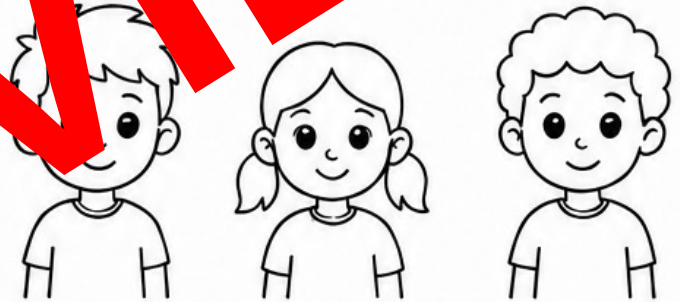
Share each collection equally. Write how many are in each group and how many are left over.

1. 19 blocks among 5 boxes



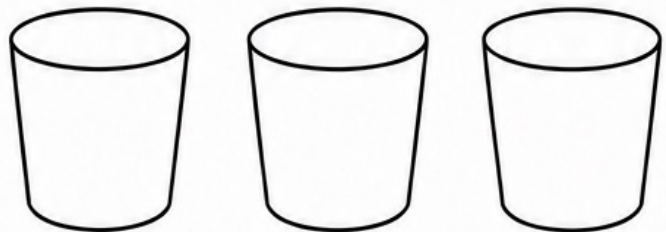
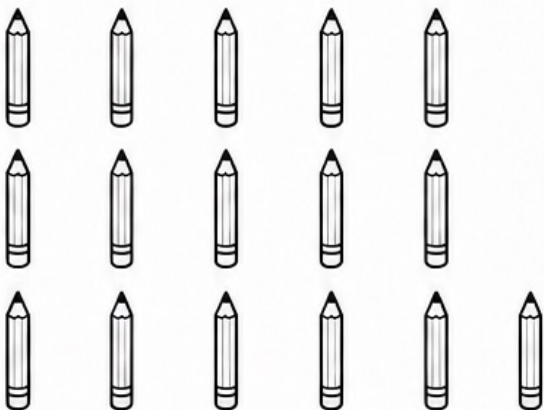
Each group: _____ Left over: _____

2. 13 hats among 3 children



Each group: _____ Left over: _____

3. 16 pencils among 3 cups



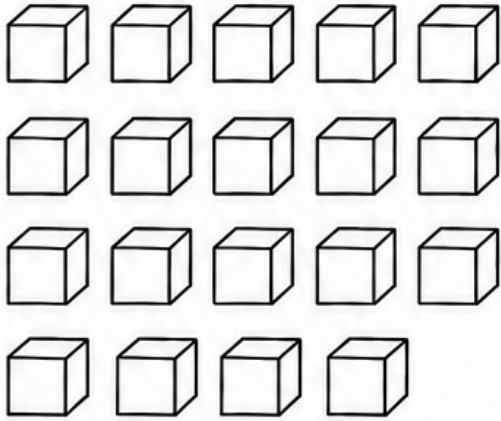
Each group: _____ Left over: _____

LEFTOVER DETECTIVES - PAGE 2

Name: ANSWERS

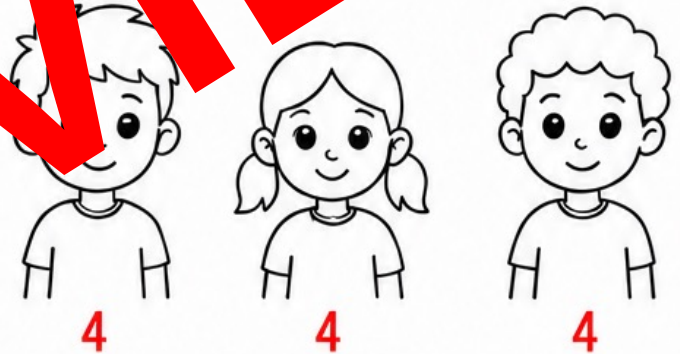
Share each collection equally. Write how many are in each group and how many are left over.

1. 19 blocks among 5 boxes



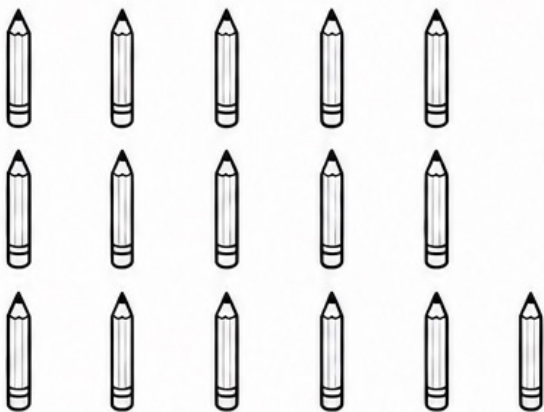
Each group: 3 Left over: 4

2. 13 hats among 3 children



Each group: 4 Left over: 1

3. 16 pencils among 3 cups



Each group: 5 Left over: 1

DRAW AND EXPLAIN EQUAL GROUPS

Name: _____

1. Draw 4 plates with 3 strawberries on each. How many altogether? _____

2. Share 12 counters between 4 circles. How many each? _____



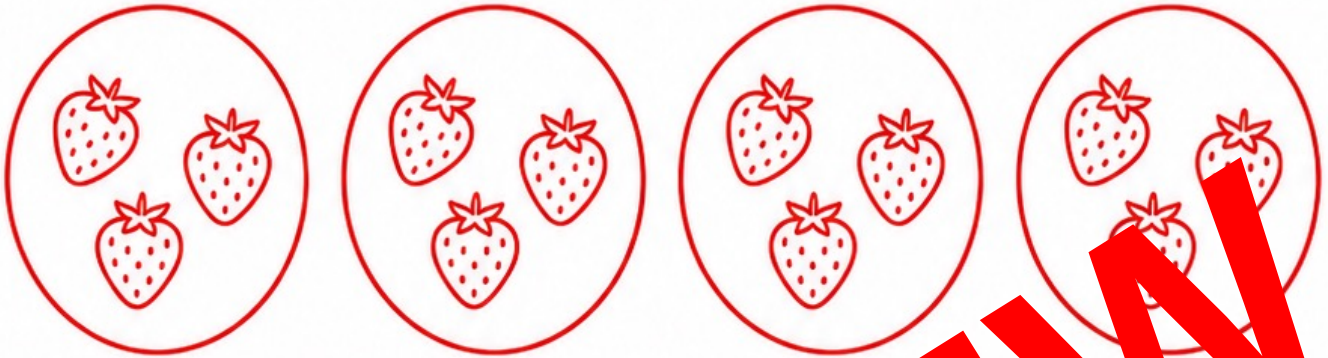
3. Make 5 groups of 2 stars. How many altogether? _____

I know the groups are equal because _____.

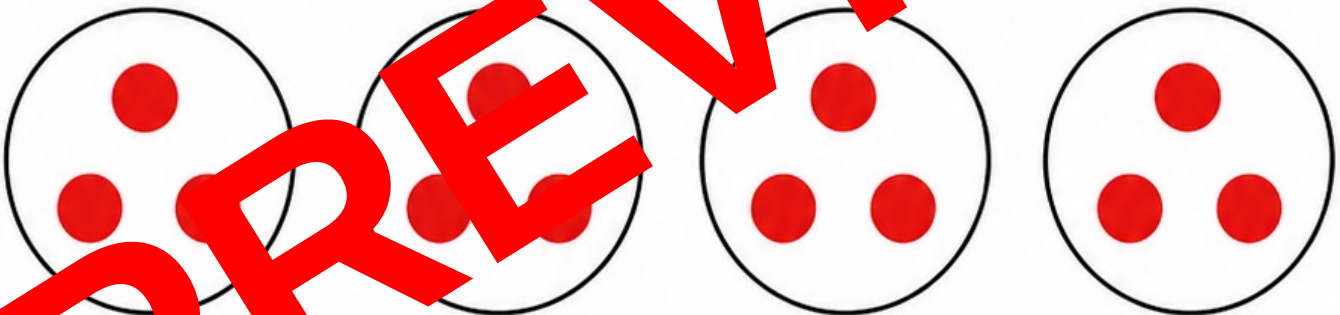
DRAW AND EXPLAIN EQUAL GROUPS

Name: ANSWERS

1. Draw 4 plates with 3 strawberries on each. How many altogether? 12



2. Share 12 counters between 4 circles. How many in each? 3



3. Make 5 groups of 2 stars. How many altogether? 10



I know the groups are equal because each group has the same number.

CHOOSE A STRATEGY CHALLENGE

Name: _____

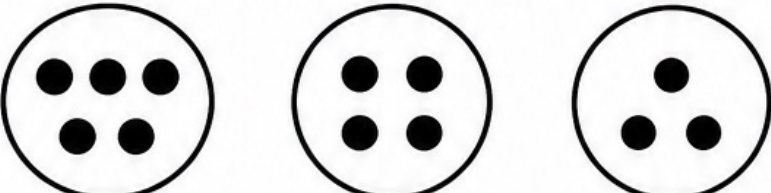
Show your thinking with a picture, counters or numbers.

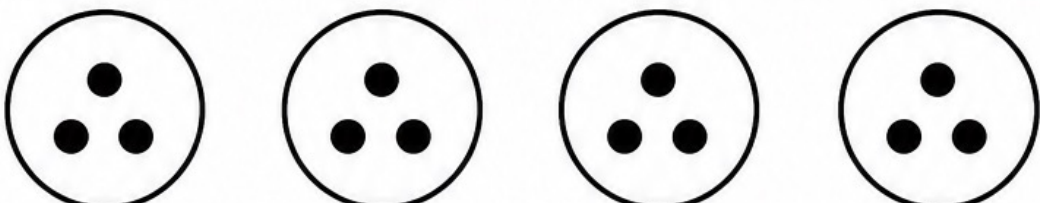
1. Put 18 seed packets into 3 equal tubs. How many in each tub? ____

2. Make groups of 4 from 15 flowerpots. For group ____ Left over: ____

3. Circle the picture that shows 12 shared equally among 3 groups.

A 

B 

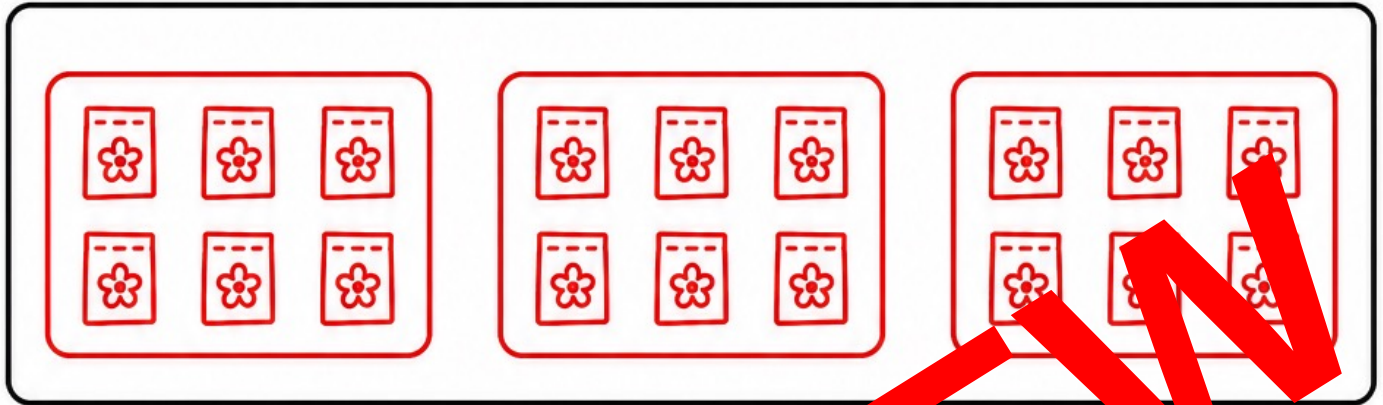
C 

CHOOSE A STRATEGY CHALLENGE

Name: ANSWERS

Show your thinking with a picture, counters or numbers.

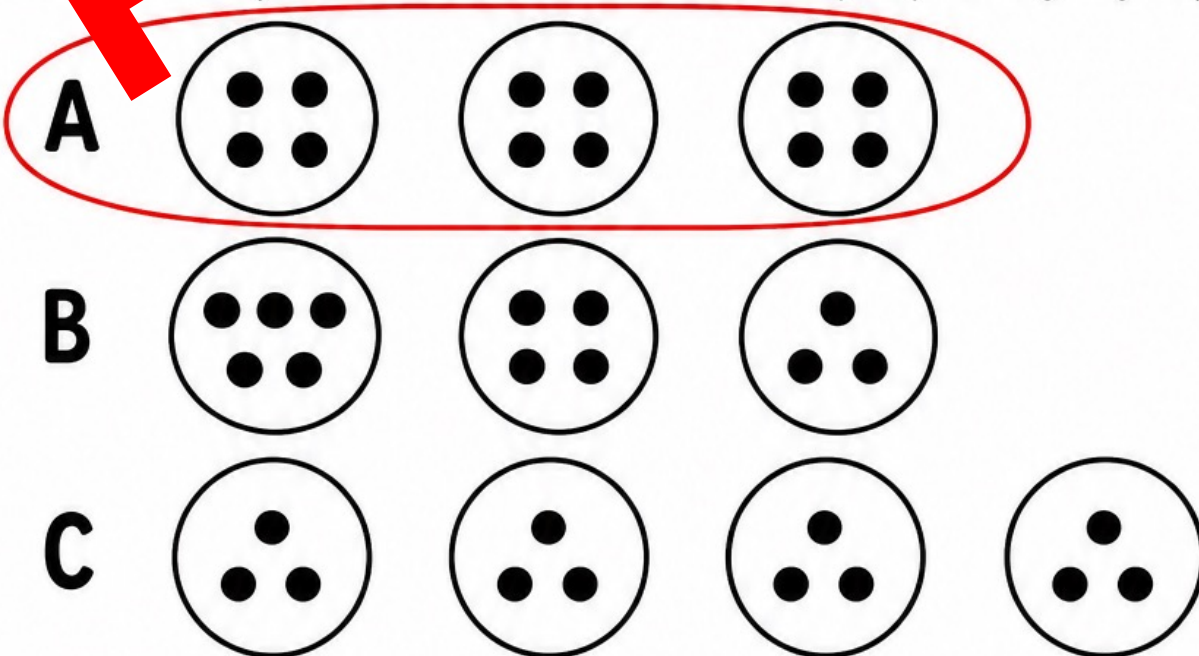
1. Put 18 seed packets into 3 equal tubs. How many in each tub? 6



2. Make groups of 4 from 15 flowerpots. Put groups of 4 Left over: 3



3. Choose the picture that shows 12 shared equally among 3 groups.



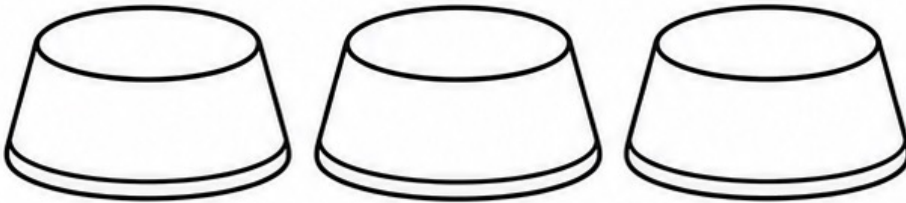
ANIMAL SHELTER SHARING DAY - ASSESSMENT PAGE 1

Name: _____

Show your thinking.



- 1 Share 12 dog treats among 3 bowls.
How many in each bowl? ____

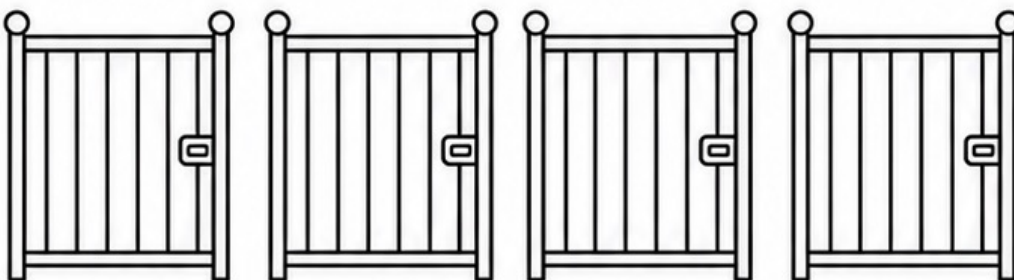


Work space

- 2 Make groups of 2 from 10 toy balls.
How many groups? ____

Work space

- 3 Share 14 blankets among 4 pens.
Each pen: ____ Left over: ____



Work space

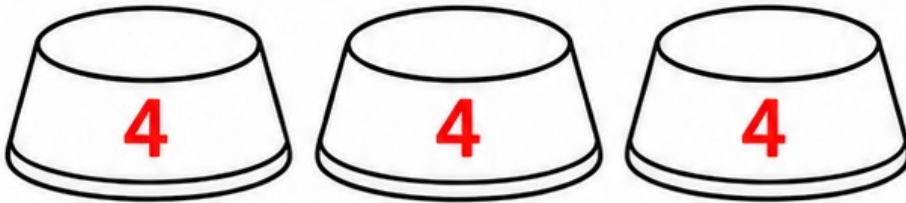
ANIMAL SHELTER SHARING DAY - ASSESSMENT PAGE 1

Name: ANSWERS

Show your thinking.



- 1 Share 12 dog treats among 3 bowls.
How many in each bowl? 4



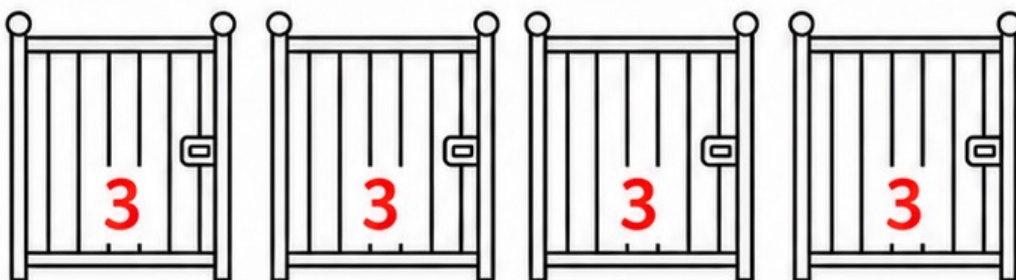
Work space

- 2 Make groups of 2 from 10 toy balls.
How many groups? 5



Work space

- 3 Share 14 blankets among 4 pens.
Each pen: 3 Left over: 2



Work space



ANIMAL SHELTER SHARING DAY - ASSESSMENT PAGE 2



Name: _____



1. Share 15 adoption tags among 5 packs. Draw a model and explain.
Each pack gets ____.

PREVIEW

2. Put 17 collars into groups of 4. Full groups: ____ Left over: ____.

PREVIEW

3. How did you check your groups were equal? _____





ANIMAL SHELTER SHARING DAY - ASSESSMENT PAGE 2



Name: ANSWERS

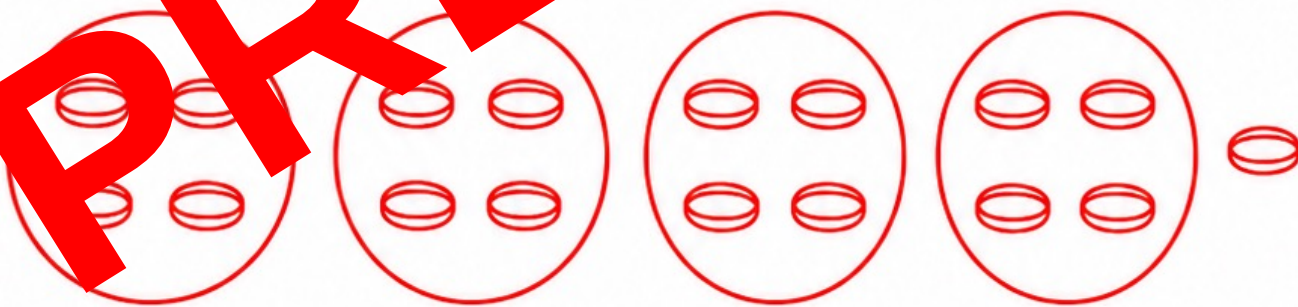


1. Share 15 adoption tags among 5 packs. Draw a model and explain.
Each pack gets 3.



15 shared among 5 packs. Each pack gets 3.

2. Put 17 collars into groups of 4. Full groups: 4 Left over: 1.



3. How did you check your groups were equal? _____.

I counted the same number in every group
and checked the total.



EQUAL SHARING AND GROUPING YEAR 1 RUBRIC

CRITERIA	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Represents equal sharing	Makes groups with help.	Makes equal groups; equality may vary.	Shares a set into equal groups.	Shows sharing accurately in two ways.	Explains and checks complex sharing.
Makes and counts equal groups	Counts objects with help.	Makes groups but may miscount.	Makes and counts equal groups accurately.	Chooses a group size and counts efficiently.	Connects group size, number of groups and total.
Identifies leftovers	Needs help to notice leftovers.	Notices some leftover objects.	Notifies and records leftover objects.	Explains why leftovers do not make a full group.	Predicts and justifies leftovers.
Uses and explains a strategy	Needs prompting to begin.	Uses one strategy with limited explanation.	Uses drawings, counters and numbers and explains.	Chooses an efficient strategy and checks.	Compares strategies and justifies a choice.

Equal Sharing and Grouping

PREVIEW



Learning Intention

We are learning to solve practical problems by sharing and
arranging connections equally.



Success Criteria

I can

- share a collection equally.

- make equal groups and count them.

- identify leftovers.

show my thinking with pictures, counters and numbers.



Equal Means the Same

Equal groups have the same number in every group. Unequal groups do not.



Two Ways to Think

Sharing: the number of groups is known, find how many are in each group.

Grouping: the group size is known, find how many groups can be made.



Model Equal Sharing

Share 8 berries between 2 bowls. Deal out berries to each bowl until all are used. Each bowl gets 4.



Guided Sharing

Share 12 counters among 3 hoops. Draw the hoops. Deal one counter at a time, then count each hoop.



Check the Share

Every group must contain the same number. Add the groups to
check that the total is still 12.



Model Equal Grouping

Put 10 buttons into groups of 2. Count the groups: 5 equal groups of 2.



Guided Grouping

Put 15 shells into groups of 3. Make one group at a time, then count the groups.



Compare the Models

12 shared among 4 groups gives 3 in each group.

12 placed in groups of 3 make 4 groups.



When Items Are Left Over

Share 11 counters among 3 groups. Each group gets 3 and 2
counters are left over



Solve a Practical Problem

18 crayons go into 3 equal pots. Represent, share count and
check. 6 crayons in each pot.



Hands-on Practice

Choose 12, 15, 16 or 20 counters. Share a group of them. Draw your model, write the result and check it.



Strategy Checklist:

Draw the groups.

Draw or place objects at a time.

Count each group.

Check every group is equal.

Check the total.



Exit Ticket

Share 14 counters between 3 friends. How many does each friend receive? How many are left over?





Well Done!



Equal Sharing and Grouping Quiz



Question One

8 strawberries are shared between 4 bowls.

How many in each bowl?

A. 1

B. 3

D. 6



Answer One

C: 4. Two equal groups of number 8.

PREVIEW



Question Two

True or false?

12 counters shared among 3 groups gives 4 in each group.



Answer Two

True. Three groups of 4 make 12.

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Question Three

How many groups of 2 can be made from 10 buttons?

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Answer Three

5 groups.

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Question Four

15 shells are shared among 3 buckets

How many go in each bucket.

A. 3

B. 4

D. 6



Answer Four

C: 5. Three equal groups of number 15.

PREVIEW



Question Five

True or false?

14 counters can be placed into groups of 4 with no leftovers.



Answer Five

False. Three full groups of 4 can be made and 2 are left over.



Question Six

Share 11 biscuits among 4 places.

How many are on each place and how many are left over?



Answer Six

3 on each plate and 2 left over

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Question Seven

Which description shows 2 unequal groups?

A 3, 3, 3, 3 B 2, 3, 3, 3

C 3, 5, 2 D 2, 4, 5



Answer Seven

A: four equal groups of 3.



Question Eight

True or false?

16 counters shared into 4 equal groups gives 4 counters in each group.



Answer Eight

True. Four groups of 4 make 16.

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Question Nine

How many groups of 3 can be made from 18 blocks?

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Answer Nine

6 groups.

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Question Ten

20 crayons are shared among 4 pots.

How many in each pot?

A. 1

B. 3

D. 5



Answer Ten

C: 4. Five equal groups of number 20.

PREVIEW



