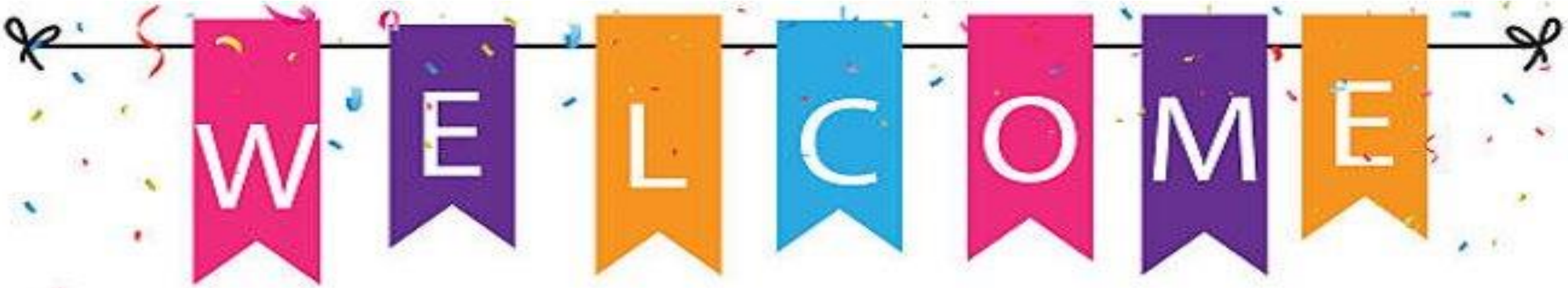
Maths

Senior Infants

Note for Parents

- For the next two weeks we will be focusing on the topics capacity and addition.
- Capacity is an ideal topic to explore outside as it is all about filling and emptying containers of water.
- Please feel free to begin with addition instead of capacity.
- We know that this is a difficult time for everyone, so we want to remind you that this is a "menu" of work and we encourage everybody to complete the work to the best of their ability.



Good morning boys ☺

We hope you all had a lovely Easter and enjoyed the sunshine and of course the chocolate!

Today we are going begin our new maths lessons, so find a place that you can do your work and we'll get started!

You will need:

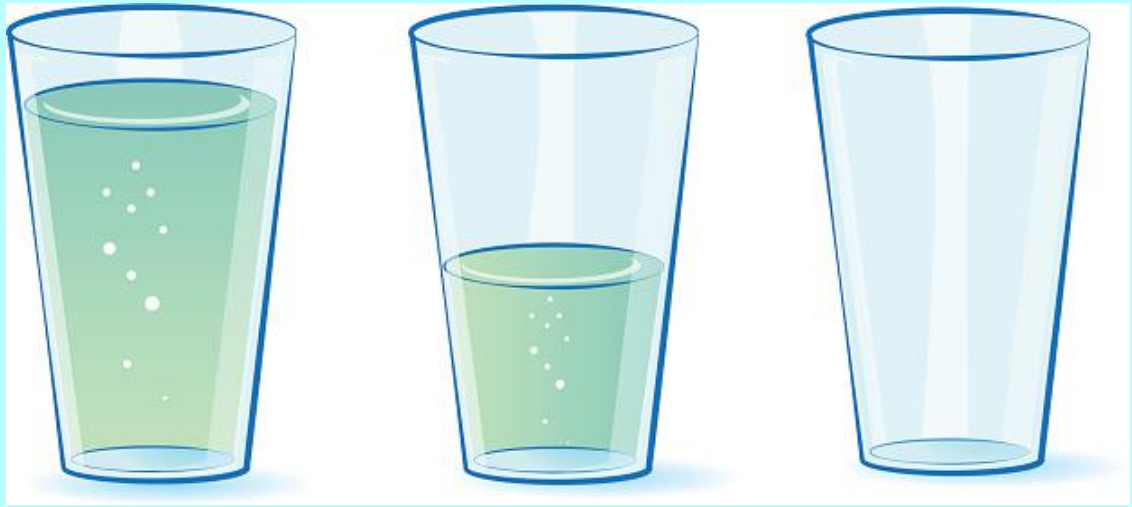
- ❑ Pencil and rubber
- ❑ A copy/blank page to record your work
- ❑ Colouring pencils
- ❑ Various empty containers
  (cup, eggcup, jug, jam jar, saucepan, glass, empty milk carton, bowl, basin, bucket, plastic bottles)
- ❑ Water (always supervise during water play)


WEEK 1

We are going to learn all about:

Capacity

Capacity is the maximum amount of liquid a container can hold



Vocabulary

Here are some words that we use when talking about capacity:

pour

fill

level

enough

full

empty

holds more

holds less

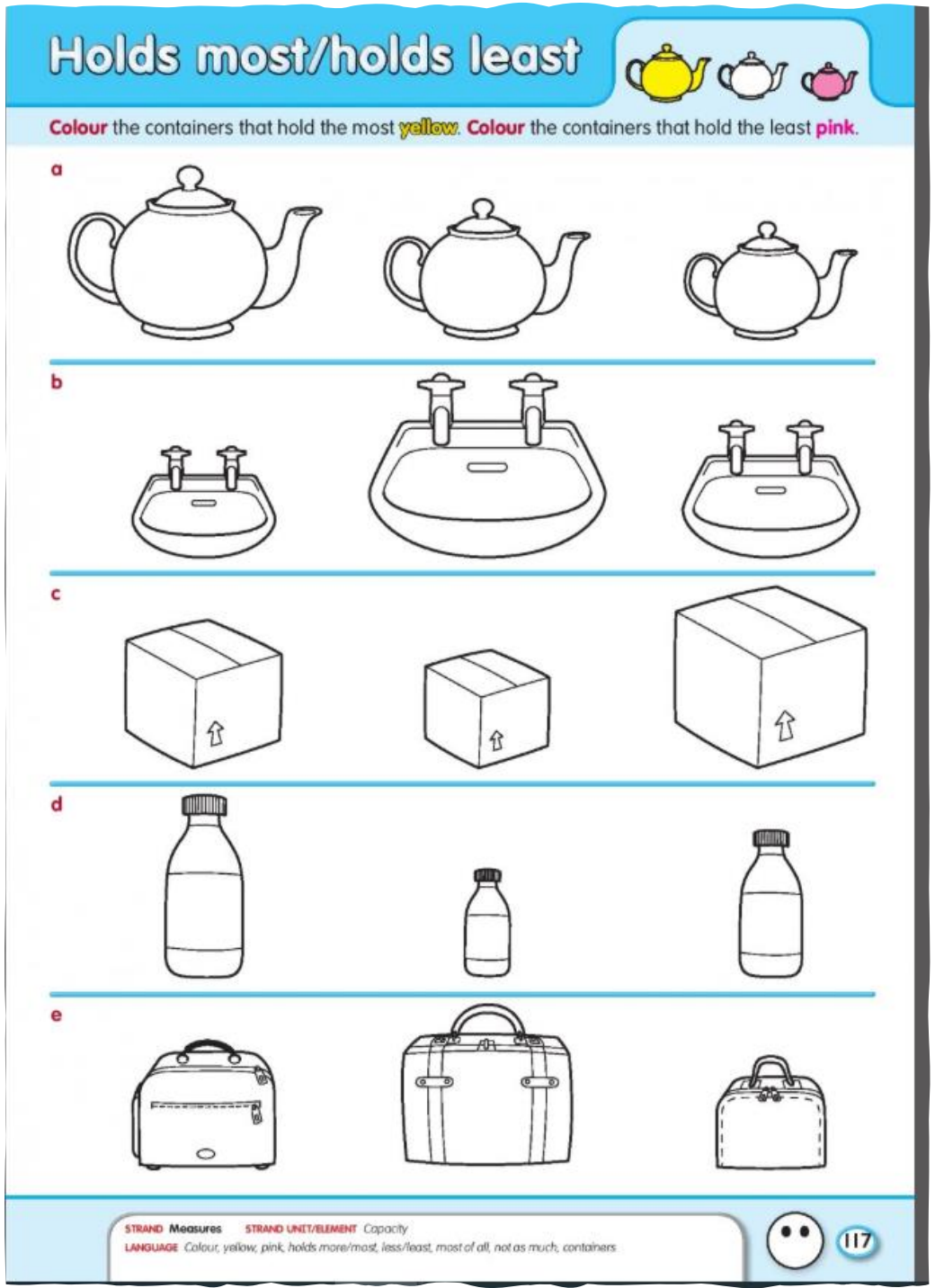
holds the same amount

Task 1- Free Play

- Allow time for free play involving filling and emptying many different-sized and different-shaped containers.
- Ensure your son understands and is able to use terminology such as 'full', 'empty' and 'level'.
- Game: https://content.folensonline.ie/programmes/PlanetMaths/PMSI/resources/activitya/pm_si_122/index.html

Task 1 continued....

Weblink to page 117:
http://data.cjfallon.ie/resources/19602/activity-117/index.html

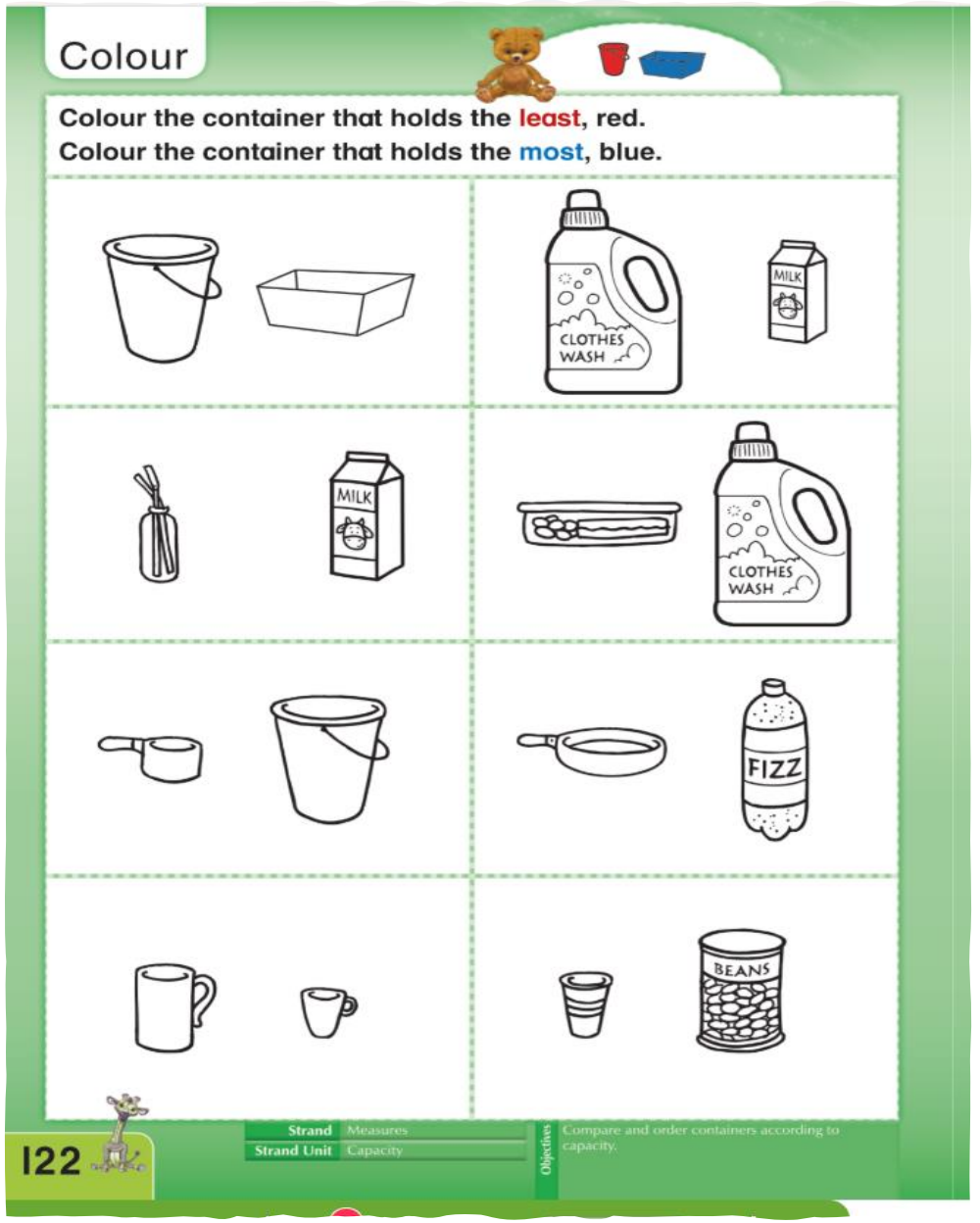


Task 2- Think, draw and colour

- Divide your page in half.
- On the first side draw some containers that hold **more** water than a jug. Colour them blue.
- On the second side draw some containers that hold **less** water than a jug. Colour them red.

Task 2 continued....

Weblink to page122:
https://www.folensonline.ie/home/library/programmes/planet-mathssi/ebook/



Task 3- Measuring using a cupfuls

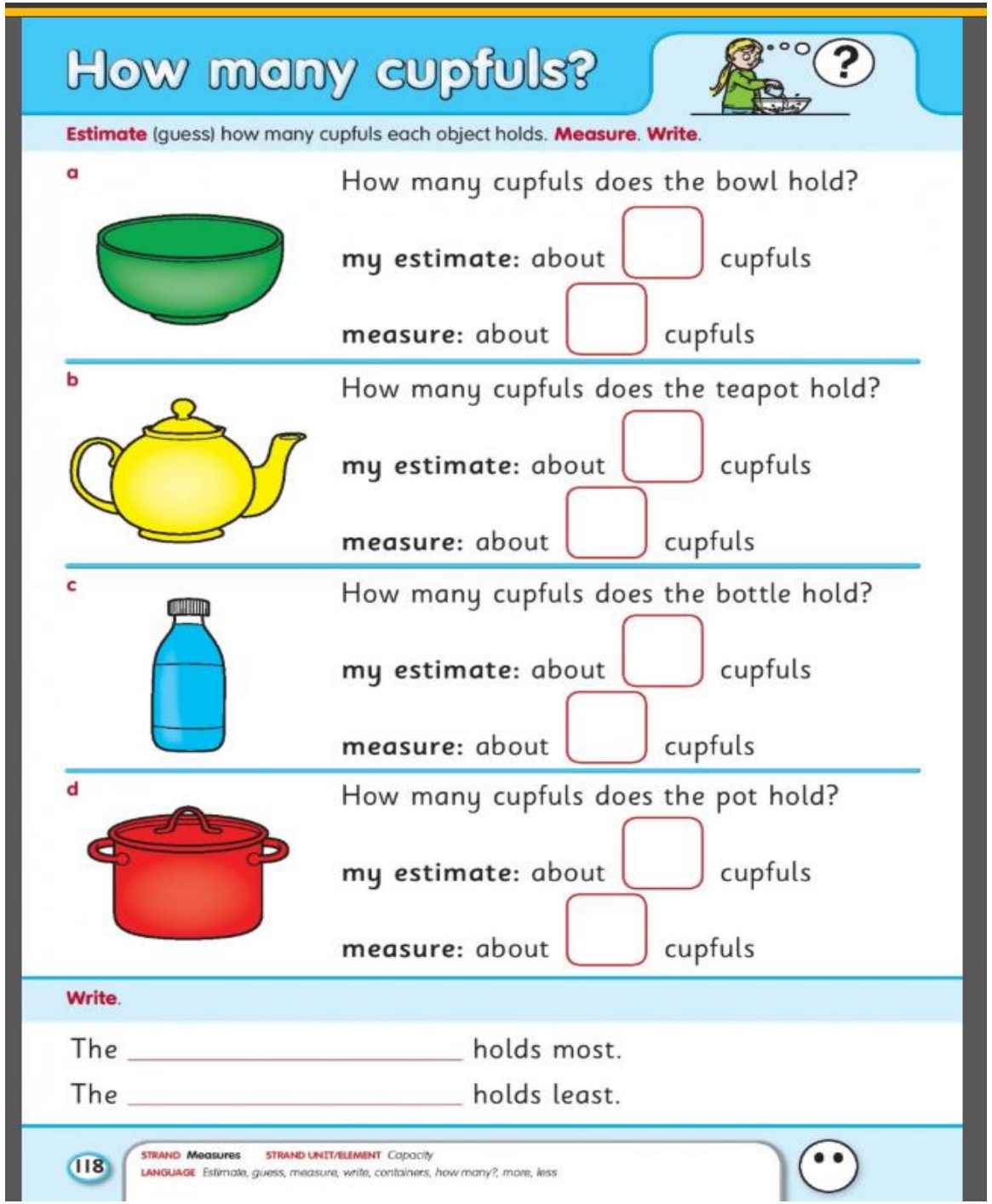
*Always estimate (make a clever guess) before measuring.

Container	1.Estimation (Guess) Estimate the number of cupfuls required to fill the container	2.Result Record the number of cupfuls that were required to fill the container
Jug		
Saucepan		
Bowl		
Milk carton		
A mineral bottle		

Task 3 continued...

Questions

1. Which container holds the most?
2. Which container holds the least?
3. Can you arrange the containers in order beginning with the one that holds least and ending with the one that holds most?
4. Do any containers hold an equal amount of water?



How many cupfuls?

Estimate (guess) how many cupfuls each object holds. **Measure**. **Write**.

a

How many cupfuls does the bowl hold?

my estimate: about ☐ cupfuls

measure: about ☐ cupfuls

b

How many cupfuls does the teapot hold?

my estimate: about ☐ cupfuls

measure: about ☐ cupfuls

c

How many cupfuls does the bottle hold?

my estimate: about ☐ cupfuls

measure: about ☐ cupfuls

d

How many cupfuls does the pot hold?

my estimate: about ☐ cupfuls

measure: about ☐ cupfuls

Write.

The _____ holds most.

The _____ holds least.

118

STRAND **Measures** STRAND UNIT/ELEMENT *Capacity*

LANGUAGE *Estimate, guess, measure, write, containers, how many?, more, less*

Here is some additional work on measuring using cupfuls ☺

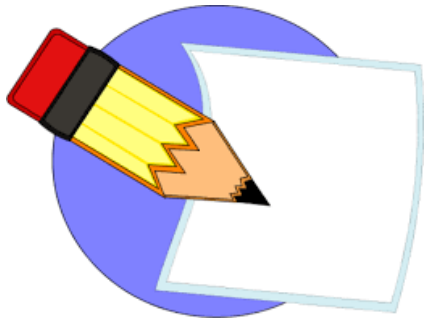
Weblink to page 118:
http://data.cjfallon.ie/resources/19602/activity-118/index.html

Task 4-Measuring using an eggcup

Containers	1.Estimation Estimate the number of eggcups needed to fill the container	2. Record Record the number of eggcups that were required to fill the container
cup		
Bowl 		
glass		
Plastic bottle 		
Jar 		

*Use any containers that you have at home

Task 4 continued...



1.Which container holds the **most** water?

2. Which container holds the **least** amount of water?

3. How many eggcups did it take to fill the bowl?

4. How many eggcups did it take to fill the jar?

5. Which container did you estimate would hold the most?

6. Which container does hold the most?

7. Do any of the containers hold an equal amount of water?

Challenge question: What is the total number of eggcups needed to fill all your containers?

Task 5
Investigate

Investigate

1. Choose some different-shaped containers with a similar capacity (e.g. 1-litre ice-cream carton and 1-litre mineral bottle)

2. Before starting the activity, ask your son to estimate which of the containers they think will hold the most or the least amount of water.

3. Fill 1 container with water and then pour the water from the first into the second container. What do you notice?

Questions

(a) Does the same amount of water fit into each container?

(b) Does a container hold more/less than the other?

(c)Do they both hold the same amount?

(d)Do they both have an equal capacity?

(e) Experiment in a similar way with a variety of different shaped containers

Additional activities

Week 7

Monday

1. Count and write the correct number.

1 2 3

2. Draw 1 more star to make 6.

3. Count. Add. Write.

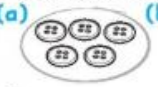
____ + ____ = ____

4. Write. Colour the correct number of balls.

5

5. Draw another set the same.

6. Colour the set that has more.

(a) 

(b) 

7. Draw a rectangle.

8. Colour 6 bananas yellow.

9. Draw 4 buttons on the shirt.

10. Colour the butterfly that has 6 spots.

(a) 

(b) 

(c) 

/10

Tuesday

1. Draw 1 more to make 5.

2. How many? ____

3. Count. Add. Write.

____ + ____ = ____

4. Colour the 2c coin brown.

5. Colour 6 lemons.

6. Ring the suitcase that holds the most.

(a) (b) (c)

7. Write the number that comes before 5. ____

8. Draw more apples on the tree to make 6.

1 2 3 4 5 6

9. Start on 2. Go on 2 more. What number do you land on? ____

10. Start on 1. Go on 3 more. What number do you land on? ____

/10

Wednesday

1. Write the number that comes between 3 and 5. ____

2. Draw two spots on the fish.

3. Colour the 5c coin red.

4. Colour the two sets that have the same amount.

(a) 
(b) 
(c) 

5. Count. Add. Write.


____ + ____ = ____

6. Write the missing number.

7. Draw 5 spots on the butterfly.

8. Ring the odd one out.

(a) 
(b) 
(c) 
(d) 

Count. Add. Write.

9.  ____ +  ____ = ____

10.  ____ + ____ = ____

/10

Thursday

1. Draw 1 more banana to make 5.

2. Write the number that comes before 3. ____

3. Match.

day •
night •

4. Colour 4 rabbits grey.

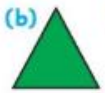
5. How many? ____

6. Finish the pattern.

7. Count. Add. Write.


____ + ____ = ____

8. Ring the largest triangle.

(a) 
(b) 
(c) 

(a) 
(b) 
(c) 

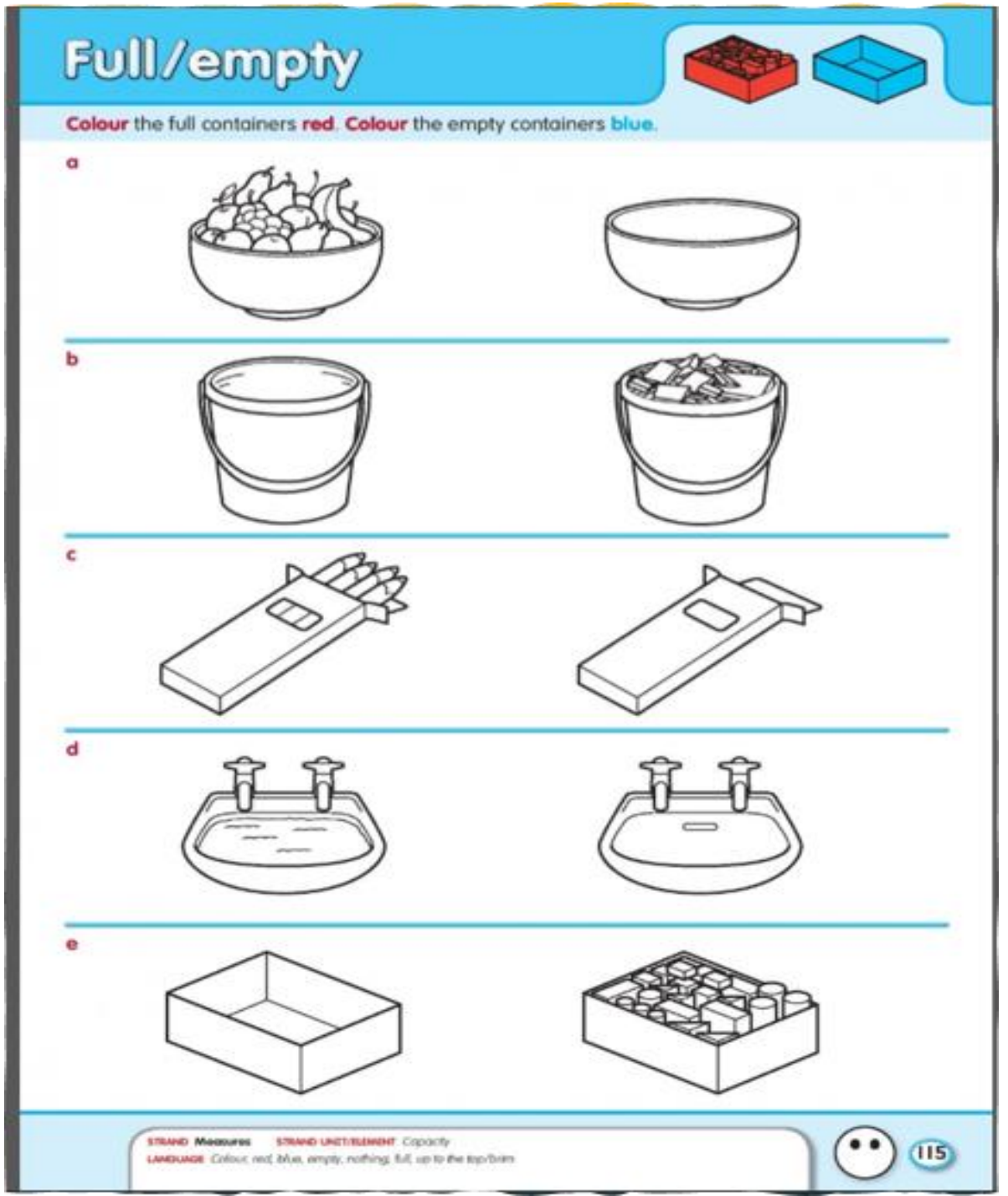
9. Colour the jar that is full green.

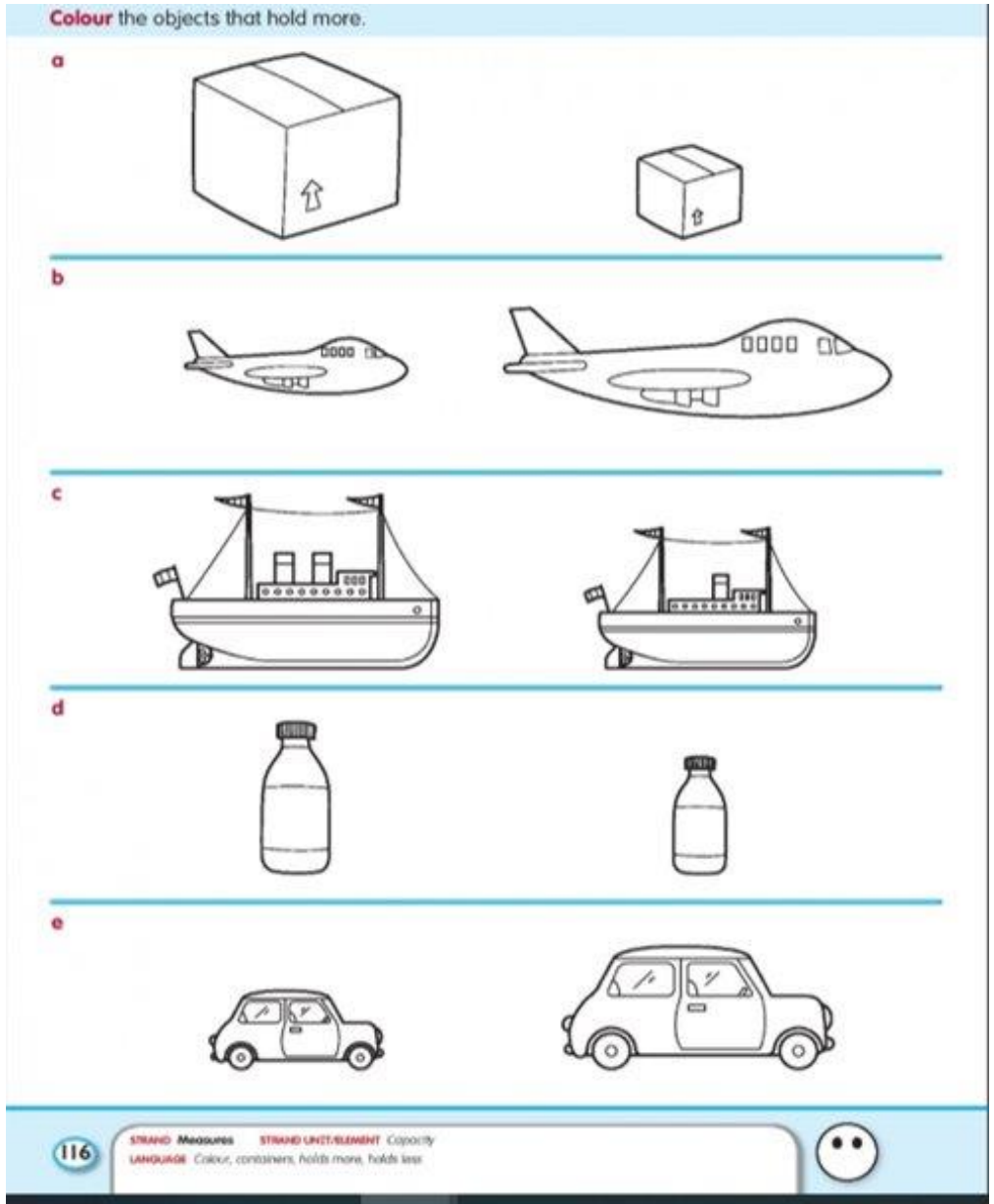
10. Colour the jar that is empty red.

/10

See page 71 for test.

Weblink to page 115:
http://data.cjfallon.ie/resources/19602/activity-115/index.html





Weblink to page 116:
http://data.cjfallon.ie/resources/19602/activity-116/index.html

Mental maths puzzles (the answers can be checked practically)

1. If a jug hold 4 glasses of water, how many glasses would I need to fill 2 jugs?

2. A glass holds 6 eggcups of water altogether.
If I poured 4 eggcups of water into the glass
how many more would I need to fill it completely?

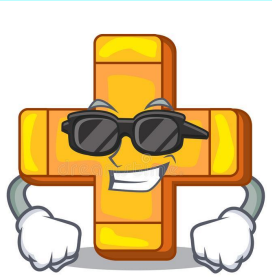
3. A saucepan holds 5 jugs of water altogether.

- How many saucepans can I fill with 10 jugs of water?
- If I had 9 jugs of water how many saucepans can I fill completely
- Would a smaller saucepan hold more or less than 5 jugs of water?
- Would a bigger saucepan hold more or less than 5 jugs of water?


WEEK 2

This week is all about addition!

Words we use when talking about



add

plus

more

and

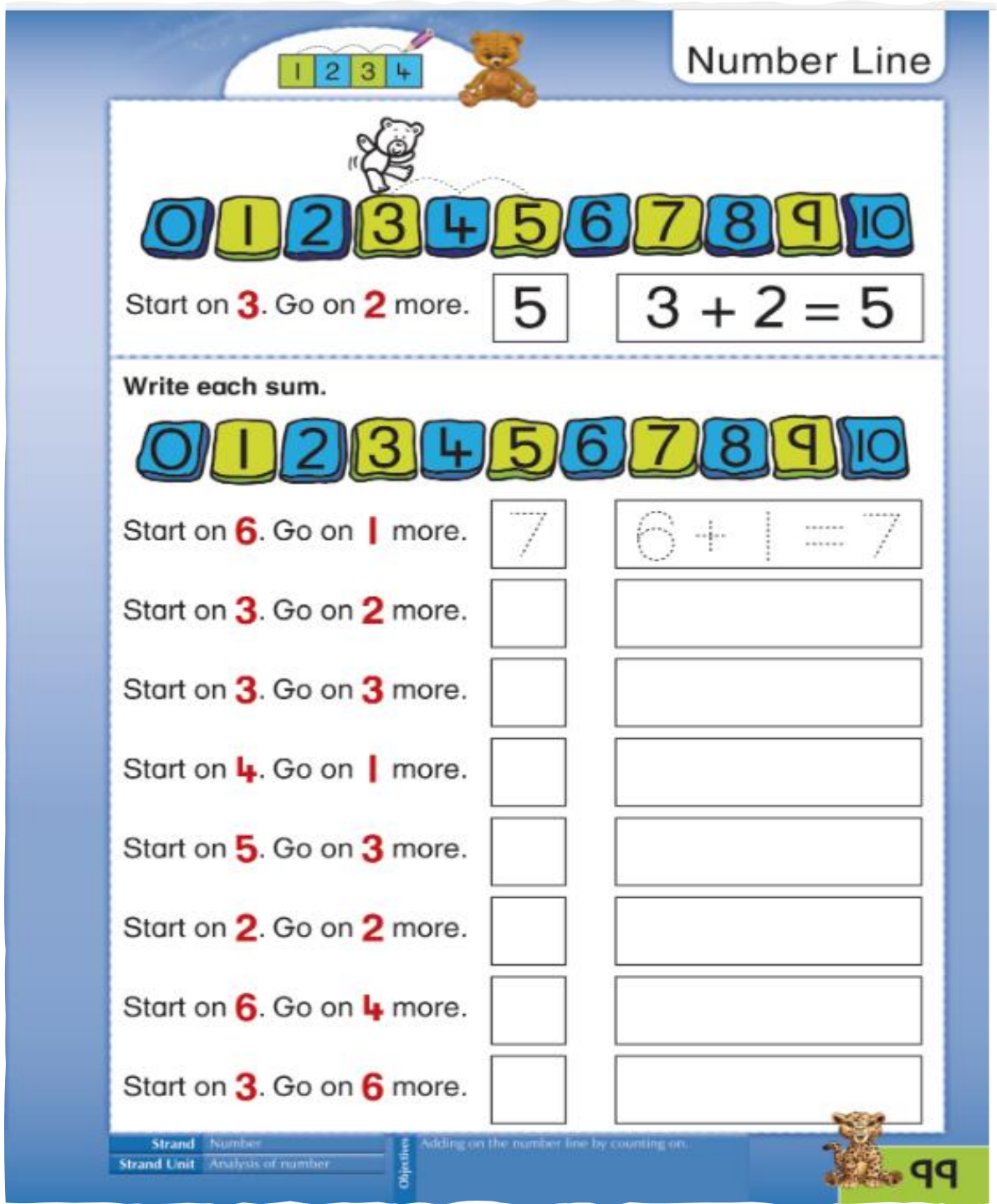
increase

How many altogether?

Task 1

1. Write each sum onto your own piece of paper.

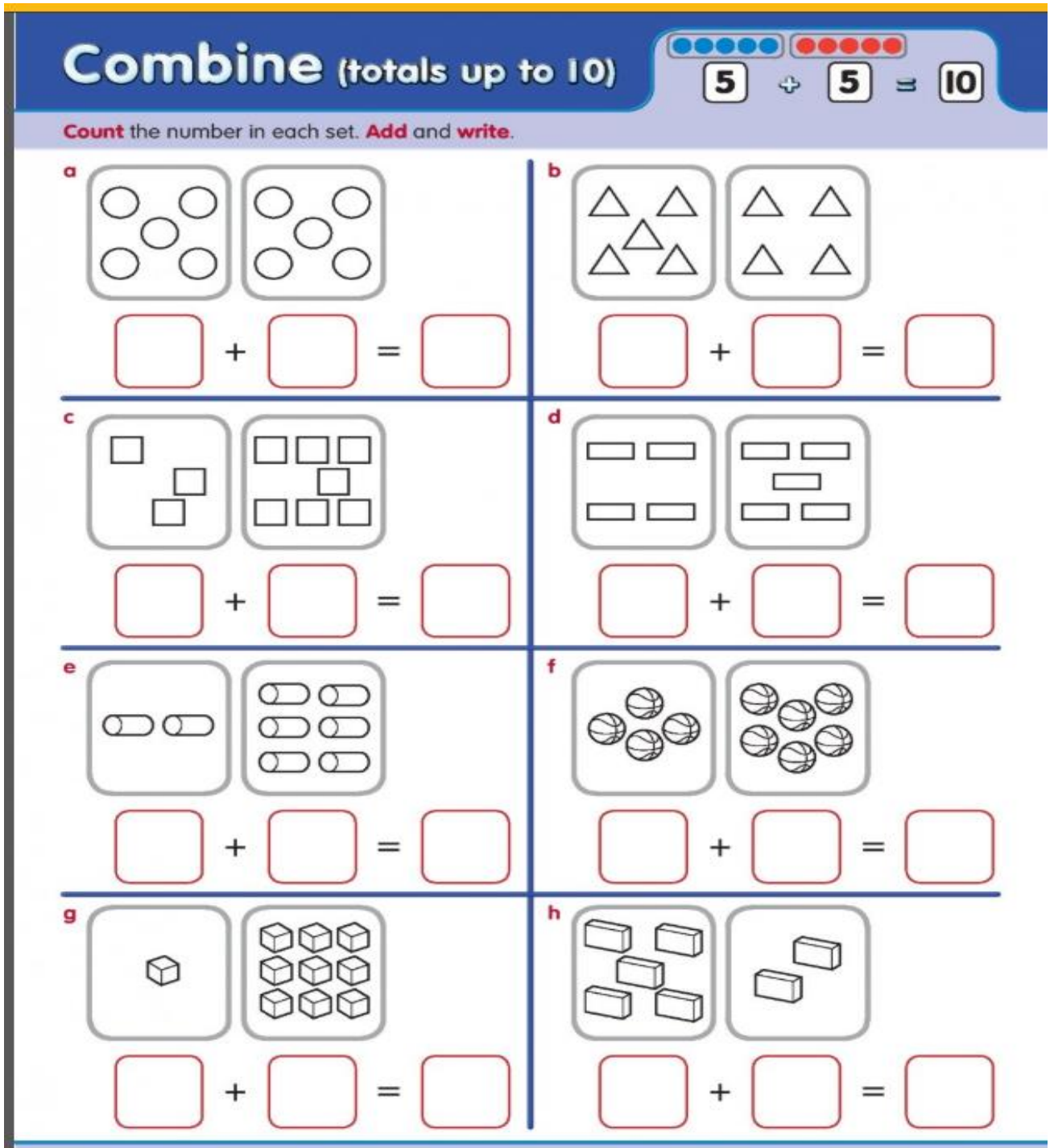
2. Take your time and make sure that you are forming your numbers correctly.



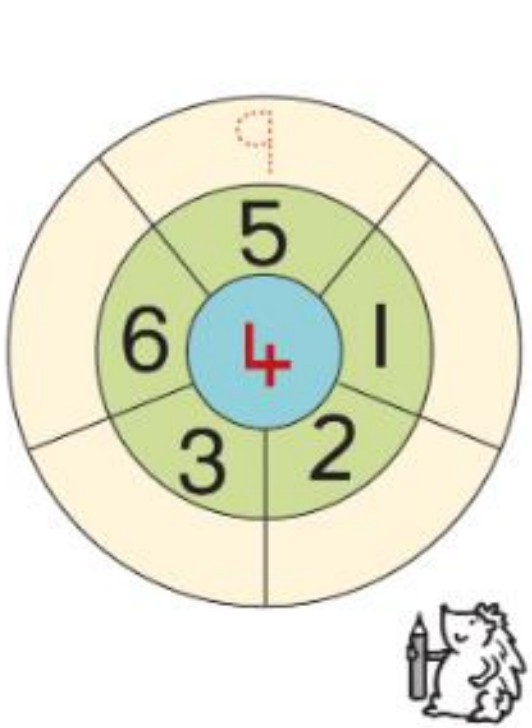
Task 2

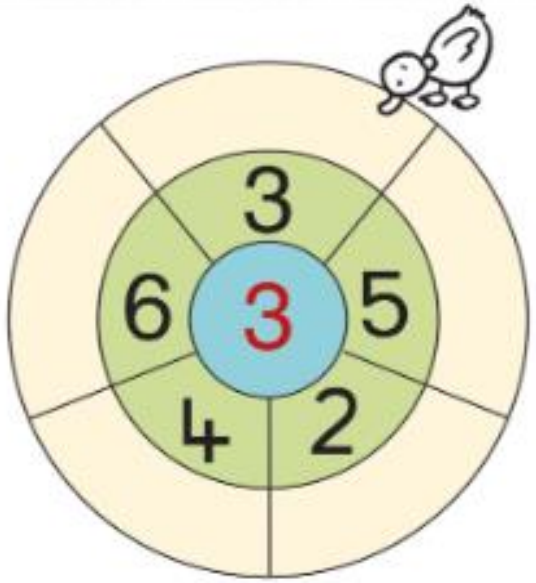
1. Count the number in each set.

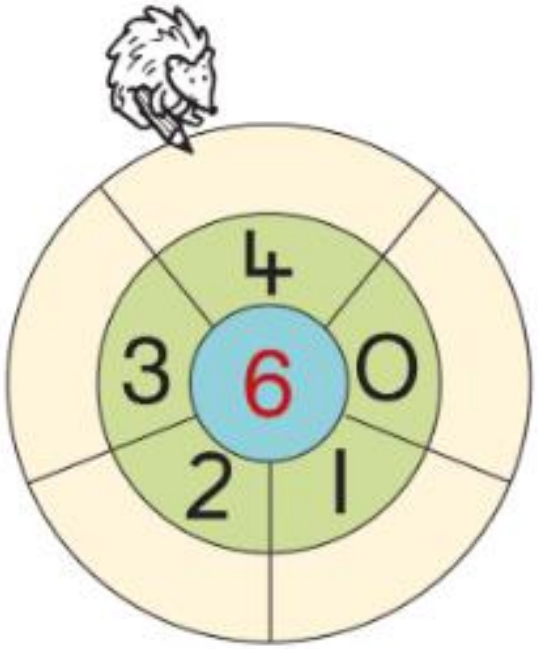
2. Write and add the numbers together.

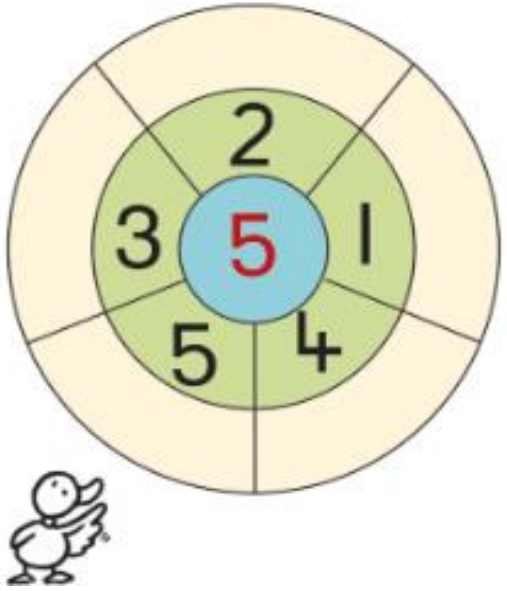


Task 3-Number wheels







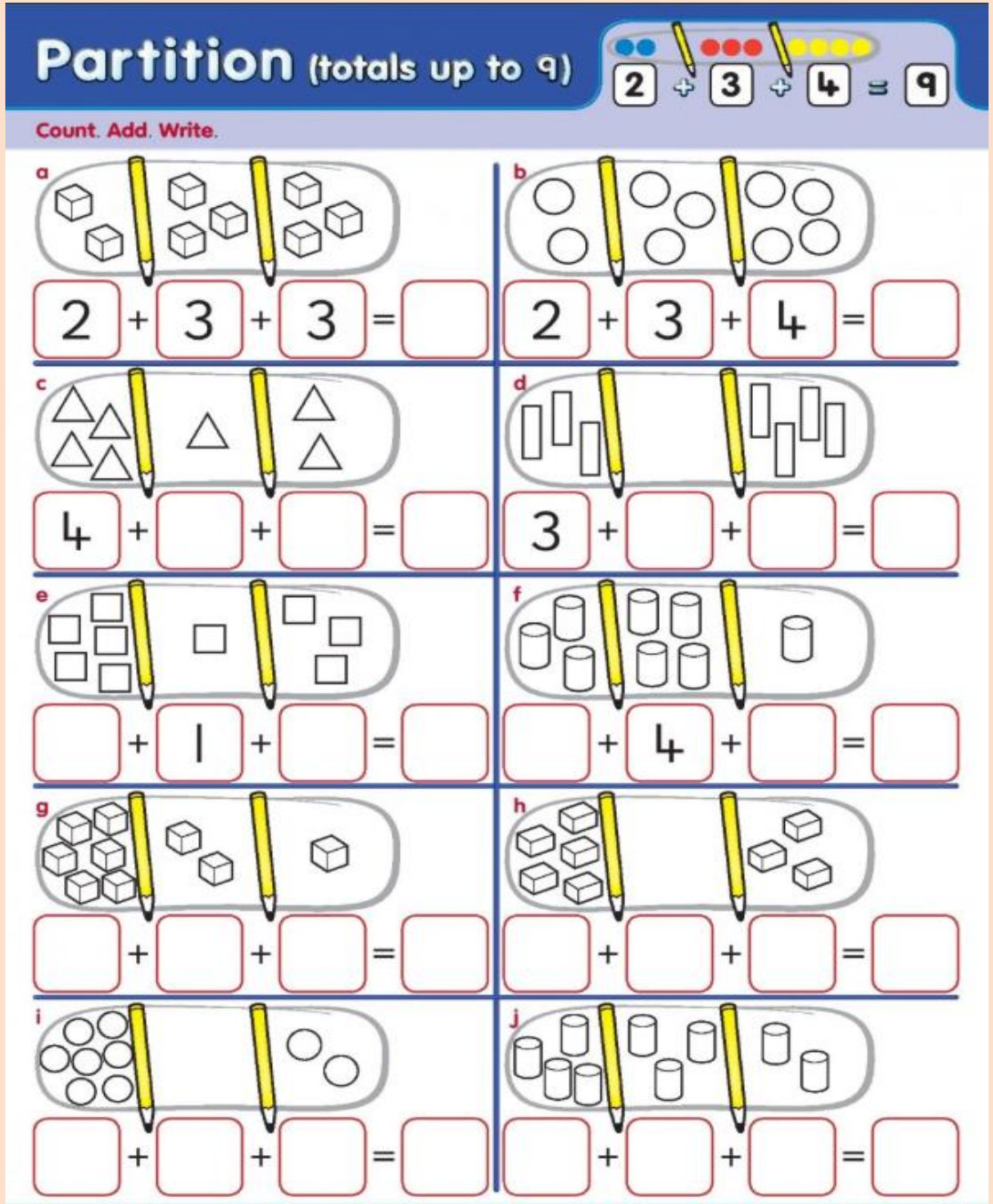


Add the number in the centre of the wheel to all other numbers.

Task 4

1.Count the number in each set.

2.Write the sum Add the numbers together.



Task 5 -Problem solving

1. Tom and Sarah went to the shop. Tom bought 5 apples and Sarah bought 4. How many apples did they have altogether?
2. In a football match Ben scored 2 goals and his friend Mark scored 6 goals. How many goals did they score altogether?
3. If one car has 4 wheels. How many wheels do 3 cars have?
4. If there were 5 tables in Ms. Kilty's class, 4 tables in Ms. Breathnach's class and 3 tables in Ms Hennessy's class. How many tables would they have altogether?

Additional activities

Week 8

Monday

1. Draw a hat on each person. How many hats are there? ____ 
2. Draw 4 flowers.
3. How many? ____

4. Fill in.

   1, 2, ____, 4, 5, ____

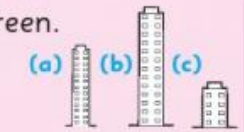
5. How many sides has a rectangle? ____ 
6. Finish the pattern.

7. Match

   in •

   under •

8.  = ____ c
9. Colour the 5c coin yellow. 
10. Colour the tallest building green.



/10

Tuesday

1. Draw more stars to make 5.

2. How many? ____

3. Match. summer •

   winter •

4. How many sides has a circle? ____ 
5. Draw 6 candles on the cake.

6. Fill in.

   1, ____, ____, 4, ____

7. Count. Add. Write.

   4 + 2 = ____

8.  = ____ c

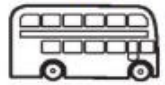
PET SHOP

9. There are ____ rabbits. Colour them yellow.
10. There are ____ cats. Colour them orange.

/10

Wednesday

1. Colour the heaviest one blue.

(a)  (b)  (c) 

2. Draw 5 straws.

3. Ring the set that has more.

4. Colour the container that holds less.

(a)  (b) 

5. Ring the shapes that are not triangles.

6. Count. Add. Write.

• • • • •

____ + ____ = ____

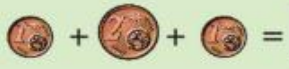
7. Fill in.

1, ____, 3, ____, 5, ____

8. How many? ____

9. Count. Add. Write.

5 + 1 = ____

10.  = ____ c

/10

Thursday

1. Write the numeral six. ____

2. Write the number that comes between 4 and 6. ____

3. Ring the container that holds more.

4. How many? ____

5. Ring the shapes that are not circles.

6. Count. Add. Write.

2 + 3 = ____

7. Write. Colour the correct number of ladybirds.

6

8. Finish the pattern.

9. Draw a  on top of the table.

10. Draw a  in the  .

/10

See page 73 for test.

1. 2 + 3 = ☐
2 + 4 = ☐
3 + 4 = ☐
1 + 7 = ☐

2. 3 + 3 = ☐
5 + 2 = ☐
4 + 4 = ☐
6 + 3 = ☐

3. 4 + 1 = ☐
1 + 6 = ☐
2 + 5 = ☐
4 + 3 = ☐

4. 5 + 3 = ☐
6 + 0 = ☐
3 + 6 = ☐

5. 4 + 5 = ☐
0 + 8 = ☐
9 + 0 = ☐

6. 7 + 2 = ☐
1 + 5 = ☐
0 + 0 = ☐

7. 2 + 2 = ☐
2 + 6 = ☐
5 + 1 = ☐
0 + 7 = ☐

8. 3 + 2 = ☐
2 + 7 = ☐
5 + 4 = ☐
6 + 1 = ☐

9. 5 + 0 = ☐
3 + 1 = ☐
7 + 1 = ☐
0 + 9 = ☐

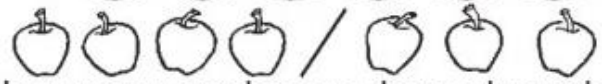
10. Ring the **biggest number** in each **box.**

4 9 8	6 3 7	8 4 5

11. Ring the **smallest number** in each **box.**

5 6 2	9 5 8	6 7 9

1 2 3 4 5 6 7 8 9 10

1. 

How many apples are there altogether?

4 + 3 = ☐

2. 

How many sweets are there altogether?

2 + 6 = ☐

3. 

How many sheep are there altogether?

☐ + ☐ = ☐

4. 

How many cars are there altogether?

☐ + ☐ = ☐

5. 

How many buns are there altogether?

☐ + ☐ + ☐ = ☐

6. 

Ann has 4 sweets, Pat has 3 sweets and Paul has 2 sweets. How many sweets are there altogether?

☐ + ☐ + ☐ = ☐

7. 

Susan has 2 apples, Barry has 3 apples and Joan has 5 apples. How many apples are there altogether?

☐ + ☐ + ☐ = ☐

8. 

How many are there?

(a) 4 boys and 3 boys and 1 boy ☐ + ☐ + ☐ = ☐

(b) 2 girls and 5 girls and 3 girls ☐ + ☐ + ☐ = ☐

Well done!
You have completed your maths tasks!