

# Independent Recap

Fractions  
Week 7

Year 2

## Arithmetic

1.  $32 + 10$

2.  $17 - 10$

3.  $8 \div 2$

4. Half of 60



## Practice: Unit Fractions

5. Complete the sentence.

numerator

denominator

In a unit fraction the  is always 1.

6. Match the fractions to the correct notation.

$$\frac{1}{2}$$

$$\frac{1}{4}$$

$$\frac{1}{3}$$

one quarter

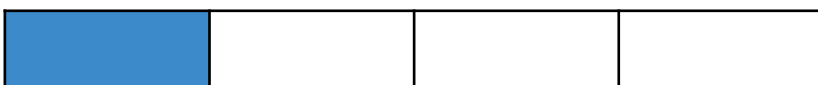
one third

one half

7. What fraction is shaded in each picture?









You might want to talk to an adult



Use resources to help you



Spot the mistake

8. Circle all the unit fractions.

$$\frac{1}{2}$$

$$\frac{2}{3}$$

$$\frac{3}{4}$$

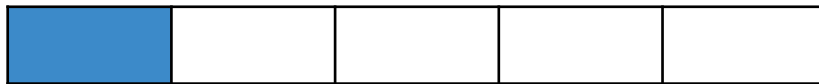
$$\frac{1}{4}$$

$$\frac{1}{3}$$

$$\frac{3}{3}$$

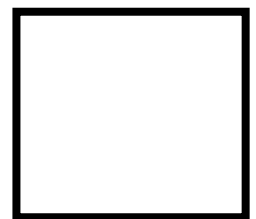
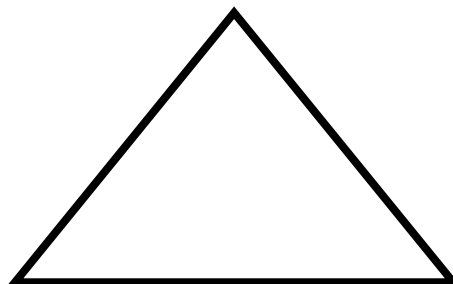
9. Explain what a 'unit fraction' is.

10. Gail says that this shows  $\frac{1}{4}$  shaded because 1 part is shaded and 4 are not. Is Gail right?



Challenge

11. Show  $\frac{1}{4}$  of each shape.



## Answers

Q no.	Question	Answer
1	$32 + 10$	42
2	$17 - 10$	7
3	$8 \div 2$	4
4	Half of 60	30
5	Complete the sentence.	In a unit fraction the <b>numerator</b> is always 1.
6	Match the fractions to the correct notation.	One quarter - $\frac{1}{4}$ , One third - $\frac{1}{3}$ , One half - $\frac{1}{2}$
7	What fraction is shaded in each picture?	a. $\frac{1}{2}$ , b. $\frac{1}{3}$ , c. $\frac{1}{4}$
8	Circle all the unit fractions.	$\frac{1}{2}$ , $\frac{1}{4}$ , $\frac{1}{3}$
9	Explain what a 'unit fraction' is.	A unit fraction is a fraction that has a numerator of 1.
10	Is Gail right?	Gail is incorrect. Pupils need to understand that the denominator shows how many equal parts a shape is divided into. In this example, the numerator is split into 5 equal parts. The numerator shows how many parts of the whole have been identified. The correct answer is $\frac{1}{5}$ .
11	Show $\frac{1}{4}$ of each shape.	Accept answers where shapes are correctly split into 4 equal parts with one part shaded. Pupils may struggle to show $\frac{1}{4}$ on a triangle, this will demonstrate if they understand that fractions need to be equal parts of a whole.

## Arithmetic

1.  $\frac{1}{2}$  of 12 is ?

2.  $? = 27 + 21$

3. Double 50

4. If  $10 - 7 = 3$  then  
 $100 - ? = 30$

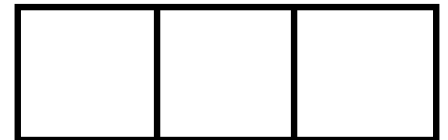
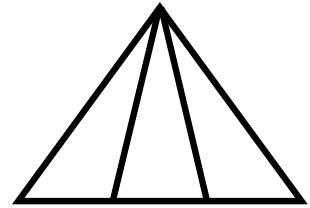
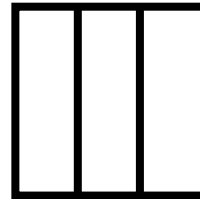
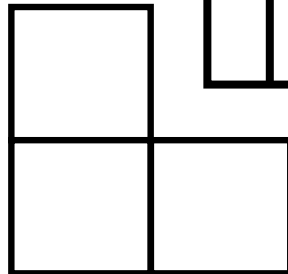
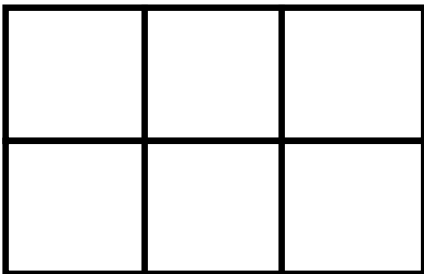


## Practice: Non-Unit Fractions

5. Complete the sentence.

If the numerator is equal to the denominator this is one .

6. Shade  $\frac{2}{3}$  of each shape.



7. Circle all the non-unit fractions.

$$\frac{1}{2}$$

$$\frac{1}{3}$$

$$\frac{2}{3}$$

$$\frac{2}{4}$$

$$\frac{1}{4}$$

$$\frac{3}{4}$$



You might want to talk to an adult

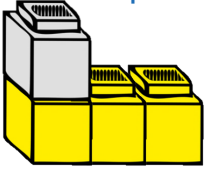


Use resources to help you



Spot the mistake

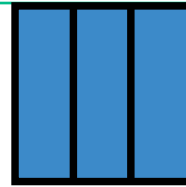
8. Complete the sentence.



There are  equal parts.

parts are shaded yellow.

of the shape is shaded yellow.



There are  equal parts.

parts are shaded.

of the shape is shaded.

This is equal to one .

9. Explain what the denominator and the numerator are.

10. Derek says he has split his shape equally and shaded  $\frac{2}{3}$  of it. Explain why Derek is wrong.



Challenge

11. Sort the fraction into unit and non-unit fractions.

$\frac{1}{2}$

$\frac{3}{4}$

$\frac{5}{6}$

$\frac{1}{6}$

$\frac{3}{3}$

$\frac{1}{3}$

Unit Fraction

Non-Unit Fraction

Add two more fractions to each side.

## Answers

Q no.	Question	Answer
1	$\frac{1}{2}$ of 12 is ?	6
2	? = 27 + 21	48
3	Double 50	100
4	If $10 - 7 = 3$ then $100 - ? = 30$	70
5	Complete the sentence.	If the numerator is equal to the denominator this is one <b>whole</b> .
6	Shade $\frac{2}{3}$ of each shape.	2 of the 3 parts shaded in each shape split into three, 4 of the 6 parts shaded.
7	Circle all the non-unit fractions.	$\frac{2}{3}$ , $\frac{2}{4}$ , $\frac{3}{4}$
8	Complete the sentence.	Cubes - 4, 3, $\frac{3}{4}$ , square - 3, 3, $\frac{3}{3}$ , whole
9	Explain what the denominator and the numerator are.	The numerator is the number on top of a fraction. The denominator is the number on the bottom of a fraction.
10	Explain why Derek is wrong.	Derek has not split his shape into equal parts so he has not shaded $\frac{2}{3}$ of it.
11	Sort the fraction into unit and non-unit fractions.  Add two more fractions to each side.	Unit fractions - $\frac{1}{2}$ , $\frac{1}{6}$ , $\frac{1}{3}$ non-unit fractions - $\frac{3}{4}$ , $\frac{5}{6}$ , $\frac{3}{3}$

## Arithmetic

1.  $50 - 8$

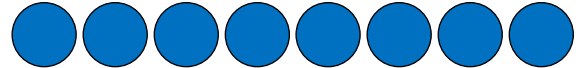
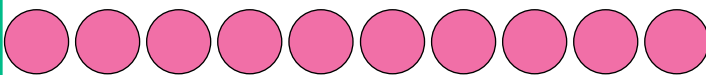
2.  $31 + 20$

3.  $\frac{1}{3}$  of 9

4.  $14 \div 2$

## Practice: Finding a Half

5. Find half the counters by sharing.



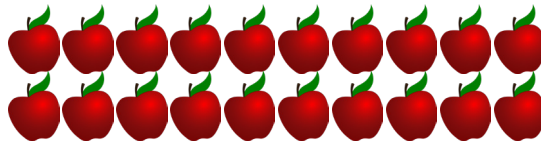
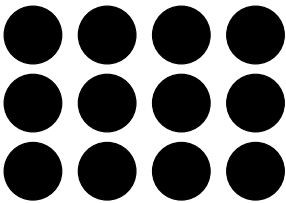
--	--

--	--

Half of 10 =

= Half of 8

6. Use the pictures to help you find halves of these amounts.



Half of 12 =

$\frac{1}{2}$  of 20 =

=  $\frac{1}{2}$  of 6

7. Circle the wrong answer.

Half of 12 = 6

Half of 4 = 2

$3 = \frac{1}{2}$  of 6

Half of 3 = 6



You might want to talk to an adult



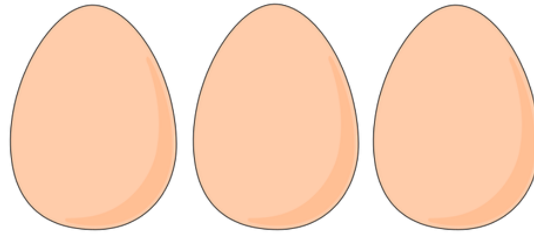
Use resources to help you



Spot the mistake

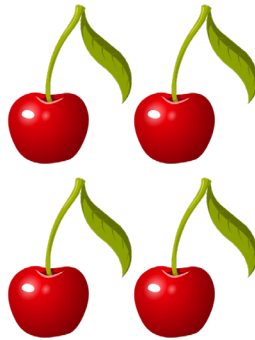


8. Here are half the eggs laid by Sam's chickens.

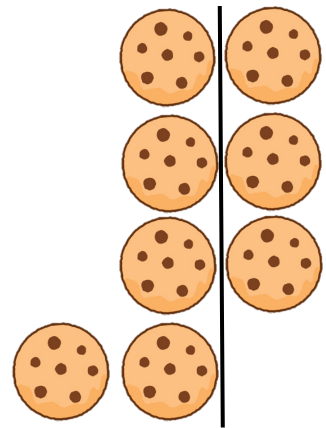


How many eggs have the chickens laid altogether?

9. Explain **how** to find half of the cherries.



10. Tim says half of the cookies is 5.  
He says he's right because he has split the cookies in two groups.  
Tell Tim why he is wrong.



Challenge

11. Ray thinks of a number.  
He halves his number.  
"Half my number is between 15 and 20."  
What could Ray's starter number be?

## Answers

Q no.	Question	Answer
1	$50 - 8$	42
2	$31 + 20$	51
3	$\frac{1}{3}$ of 9	3
4	$14 \div 2$	7
5	Find half the counters by sharing.	Half of 10 = 5 4 = Half of 8
6	Use the pictures to help you find halves of these amounts.	Half of 12 = 6 $\frac{1}{2}$ of 20 = 10 $3 \frac{2}{2} = \frac{1}{2}$ of 6
7	Circle the wrong answer.	Half of 3 = 6
8	How many eggs have the chickens laid altogether?	6
9	Explain <b>how</b> to find half of the cherries.	To find half of any set of objects, split them into two equal groups. Half of the cherries would be two.
10	Tell Tim why he is wrong.	Tim is wrong because he has not split the cookies into two equal groups. When finding half of a set of objects, they need to be split into equal groups.
11	Ray thinks of a number. He halves his number. "Half my number is between 15 and 20." What could Ray's starter number be?	30, 32, 34, 36, 38, 40

## Arithmetic

1.  $22 + 8$

2.  $? = \text{half of } 50$

3.  $13\text{cm} - 4\text{cm} =$   
 $?\text{cm}$

4.  $100 - 1$



## Practice: Finding a Quarter

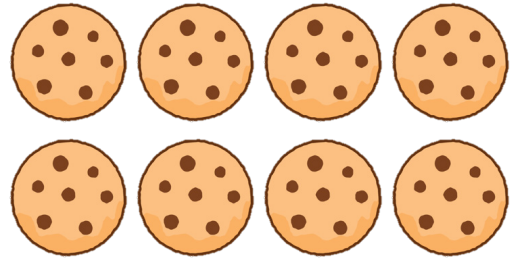
5. Share the cookies equally between 4 people.

There are  cookies altogether.

I have shared the cookies into   
equal groups.

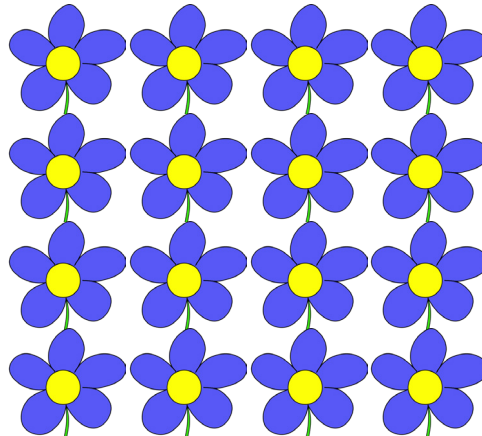
There are  cookies in each group.

$\frac{1}{4}$  of 8 =



--	--	--	--

6. Circle one quarter of the flowers.



Find another way of circling one quarter of the flowers.

7. Circle the correct answer.

$\frac{1}{4}$  of 4 = ?

4      3      2      1



You might want  
to talk to an adult



Use resources  
to help you



Spot the mistake

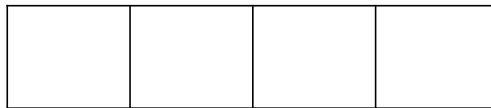
8. Solve these calculations.

a.  $\frac{1}{4}$  of 8 =

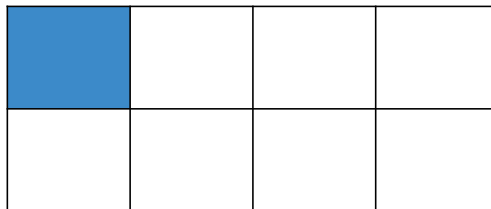
b.  = one quarter of 20

c.  $\frac{1}{4}$  of 40 =

9. How many quarters make a whole?



10. Austin says he has coloured  $\frac{1}{4}$  of the shape.  
Explain why he is wrong.



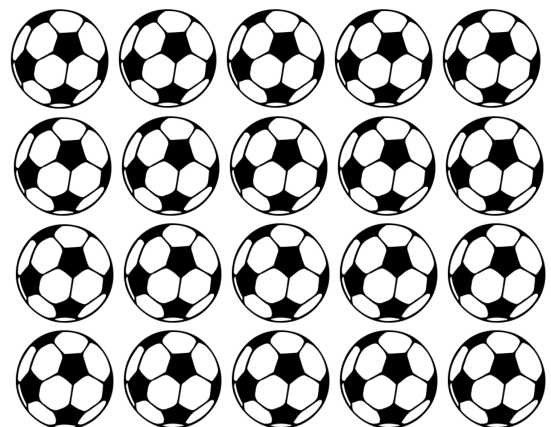
Challenge

11. Here are 20 balls.

Using as many as you like, find one quarter of the balls.

For example, you may use 4 balls and find one quarter.

You may use 12 balls and find one quarter.



## Answers

Q no.	Question	Answer
1	$22 + 8$	30
2	? = half of 50	25
3	$13\text{cm} - 4\text{cm} = ?\text{cm}$	9cm
4	$100 - 1$	99
5	Share the cookies equally between 4 people.	There are <b>8</b> cookies altogether. I have shared the cookies into <b>4</b> equal groups. There are <b>2</b> cookies in each group. $\frac{1}{4}$ of 8 = <b>2</b> .
6	Circle one quarter of the flowers. Find another way of circling one quarter of the flowers.	4 flowers circled. Any other 4 flowers circled.
7	Circle the correct answer.	1 circled
8	Solve these calculations.	a. 2, b. 5, c. 10
9	How many quarters make a whole?	Four quarters make a whole.
10	Explain why Austin is wrong.	Austin has coloured $\frac{1}{8}$ of the shape. He has not understood that he needs to colour one in every four sections in.
11	Here are 20 balls. Using as many as you like, find one quarter of the balls.	One quarter of 20 = 5 One quarter of 16 = 4 One quarter of 12 = 3 One quarter of 8 = 2 One quarter of 4 = 1