YEAR 3 Home Learning – Magic week 3

You do not need to print off any of the challenges. You can complete them on a piece of paper and take a picture of your work to upload to your child's SeeSaw account.

English	Spelling	Maths	Wider Curriculum	Wellbeing
Fantastic Beasts and where to Find Them. This week, your tasks are designed to spread a little magic by persuading more people to have a Fantastic Beast as a pet! **Activity 1:** *If you are trying to persuade someone you will need to use quality conjunctions to give information.* Think of 3 different reasons why Fantastic Beasts will make good pets. • Use the conjunctions provided to write persuasive sentences you can use in the other activities. **Activity 2: Poster** *Why Fantastic Beasts make Great Pets?* Can you design an advertising poster that could be displayed in a pet shop or vets to persuade people to have a Fantastic Beast as a pet? • Use the example and the success criteria to help you. **Activity 3:** *Could you imagine having a Fantastic Beast as a school pet? It would be brilliant! Perhaps we could have a Phoenix living in the library or a dragon guarding the gates.* Can you write a letter to Mrs Collis, persuading her to let us adopt a Fantastic Beast to have as a school pet? • Use the example text to help you structure your letter.	**The Prefix** in, il, im, ir A prefix is a group of letters that is added to the **beginning** of a word to change its meaning. All these prefixes mean not or the opposite of. Which one you use depends on the first letter of the root word. Can you add the correct prefix to each word to change the meaning to 'not' or 'the opposite of'? Extension: Can you use each new word in a sentence.	***Fractions – Adding and Subtracting Fractions and Fractions of amounts*** **Activity 1:** *Adding Fractions* a) Complete the equations b) True or False and Part whole models c) Complete the Magic Square **Activity 2:** *Subtracting Fractions* *a) Complete the calculations* *b) Word Problems* *c) Adding and subtracting fractions to complete the pyramids* **Activity 3:** *Fractions of amounts* a) Fractions of a quantity b) Fractions of an amount Remember: In order to find any fraction of an amount, you must first divide in equal parts (Denominator)	**Music** Have a listen to this music. You may recognise it. It is the Harry Potter Theme Tune https://www.youtube.com/watch?v=Htaj3o3JD8I Music is a way to trigger memories or feelings. How does the music make you feel? Can you create a word cloud with nouns, adjectives, adverbs and verbs to describe the atmosphere of the music?  *Hint: you could use coloured pens to create your word cloud or create one on a computer device.*	**E-Safety** Learning about Fantastic Beasts has been so much fun. If you wanted to learn more about different beasts, you could search for information on the internet. Before completing any information searches on the internet, it is important to remind yourself how to do this safely because you might come across something that is not appropriate for you to see. https://www.childnet.com/resources/the-adventures-of-kara-winston-and-the-smart-crew/watch-full-movie Watch this video to remind yourself of the SMART rules for staying safe online.

Should Fantatsic Beasts be kept as pets?

Reasons **NOT** to keep a Fantastic Beast as a pet	Reasons **TO** to keep a Fantastic Beast as a pet
they are dangerous	can be trained to be safe
they are rare - kept wild	new beasts might be bred
they might spread disease	domestic pets (cats and dogs) can spread disease
magical beasts could cause a catastrophe	magic could be helpful in the community
hard to feed	they are unique

although as after	wherever whenever when whereas which	if in case in order that	though till that
even though even if	before because	until unless	since

Can you use these subordinating conjunctions to write some persuasive sentences to explain why Fantastic Beasts would make amazing pets?

E.g.

Even though they breathe fire a dragon would make an amazing pet because they can breathe fire to warm us all up on a winter's day.

Some people think that unicorns could be dangerous pets ***whereas*** Fantastic Beast experts know they are kind and caring.

Features of a Persuasive Poster
BOLD opening – ask a question
strong emotion words
exaggeration
expert opinion
conjunctions to explain
exclamations

Here is a poster, it's trying to persuade people to adopt a dragon.

Can you design a poster to persuade people to have a different fantastic beast as a pet?

Writing a Persuasive Text

Title

Dogs Make the Best Pets

Introduction

Strong Language

Opinion

When it comes to pets, it is **without a doubt** that **dogs** most certainly **make the best pets**. Dogs are **loyal**, **affectionate** and **active** animals, making them perfect pets for children.

Reasons

Connective

Argument

Firstly, everyone knows that **dogs are the most loyal of pets**. They will **sit with you** when you are sick, they love to spend time with you, **play with you** and **they will guard your house.**

1st argument paragraph

Reasons

Secondly, it is widely known that **dogs are affectionate**. Dogs **like to be hugged**, petted and rubbed by their owners. Dogs also **excitedly greet you** when you come home - no other pet will run, jump up and hug you as soon as you walk through the door!

2nd argument paragraph

Finally, **dogs are active animals**. They **require regular walking** which means that **children** who walk their dogs **will also get regular exercise**. **Dogs love to play fetch** which is also a great outdoor activity.

3rd argument paragraph

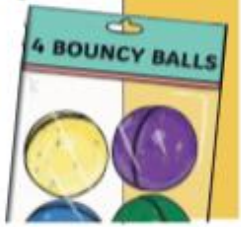
Strong language

In conclusion, there is no question that **dogs make the best** pet for children. This is because of their **loyalty**, their **affectionate** nature and their **active** lifestyle. Do yourself a favour and buy a dog today!

Restate opinion

Conclusion

Summarise reasons



Writing a Formal Letter

Your address

Recipient's address

Date

Dear

Greeting

Your letter

Yours

Closing farewell

The in, im, il and ir prefixes

This group of prefixes all mean not or the opposite of.

The prefix that is used depends on the first letter of the root word (original word).

Here are the golden rules for using this group of prefixes.

Prefix	Use it when	Example
ir	The roots words begins with 'r'.	irreversible
im	The root word begins with 'm' or 'p'.	immature impossible
il	The root word begins with 'l'.	illegal
in	The root word begins with any other letter.	incapable inefficient inadequate

Using the in, im, il and ir prefixes correctly

Can you add the correct prefix to each word, changing the meaning to 'not' or 'the opposite of'?

resistible _____

expensive _____

offensive _____

literate _____

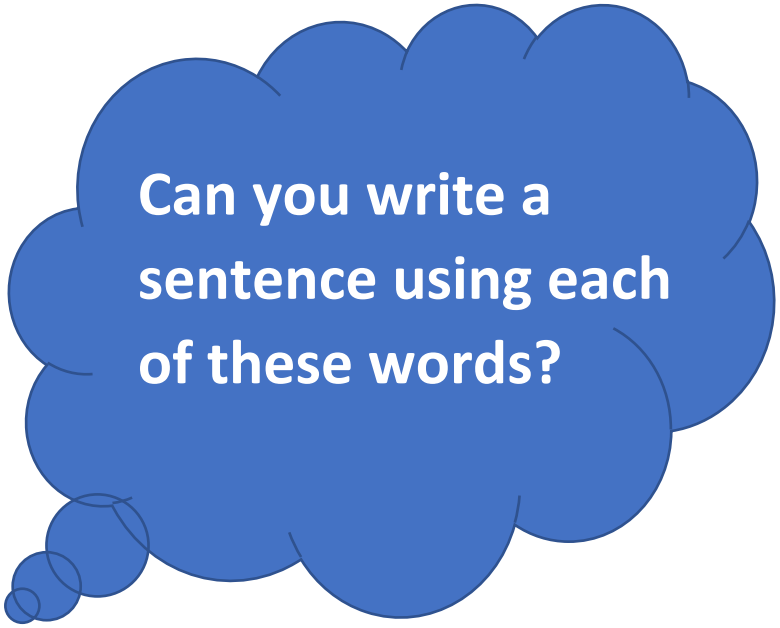
mature _____

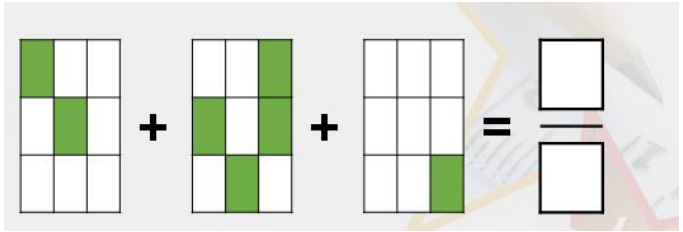
repairable _____

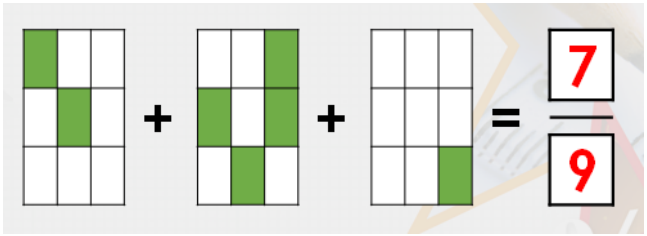
proper _____

distinct _____

logical _____

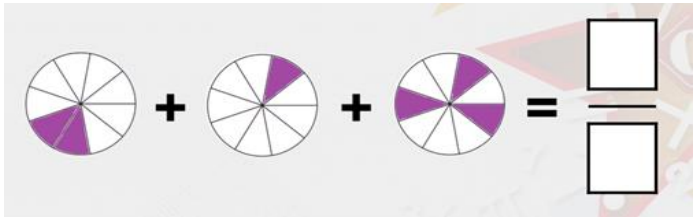


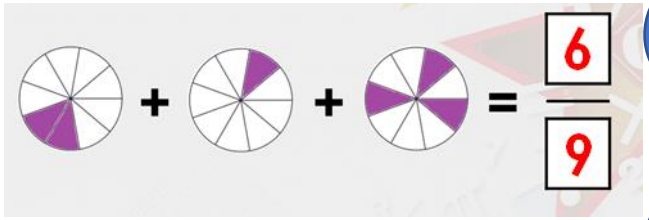




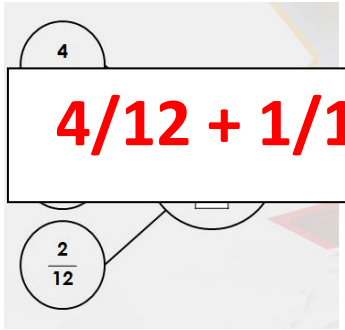
2/9 + 4/9 + 1/9 = 7/9

Have you noticed how the denominator always stays the same when adding fractions?

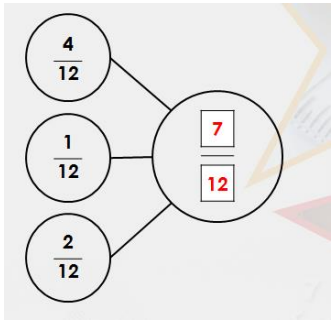




2/9 + 1/9 + 3/9 = 6/9

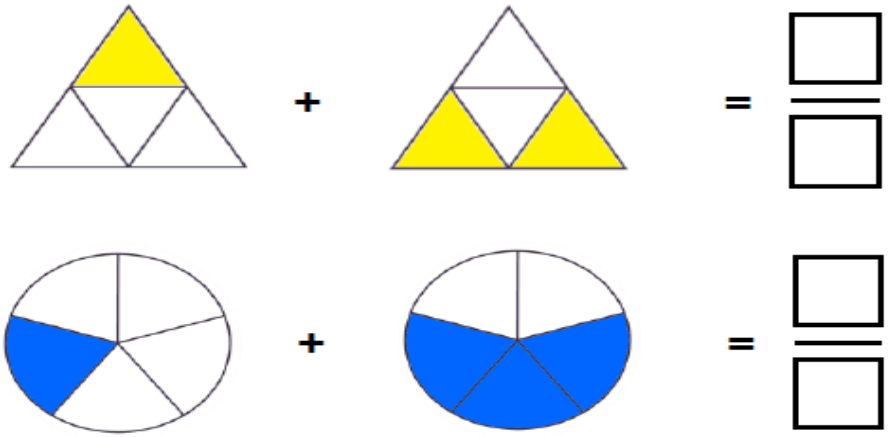


4/12 + 1/12 + 2/12 = 7/12



Activity 1a

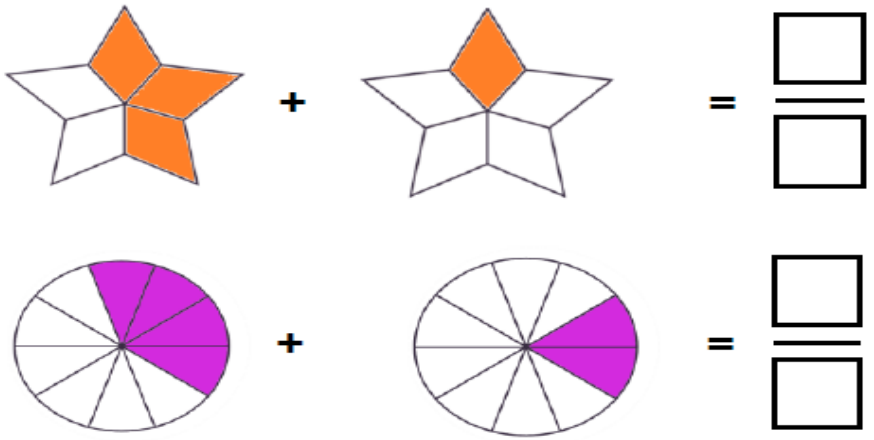
1a. Complete these equations.



D

VF

1b. Complete these equations.



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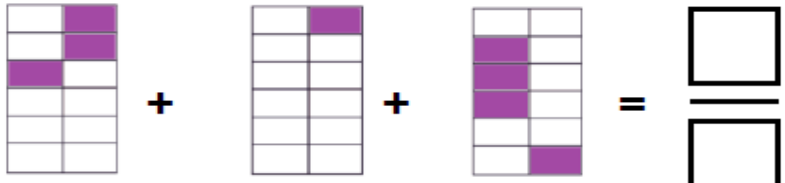
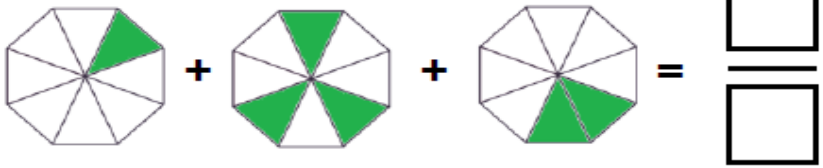
5a. Complete these equations.

A



B



E

VF

5b. Complete these equations.

A

B

E

VF

Activity 1b

7a. True or false?

$$\frac{3}{5} + \frac{1}{5} + \frac{1}{5} = \frac{5}{5}$$

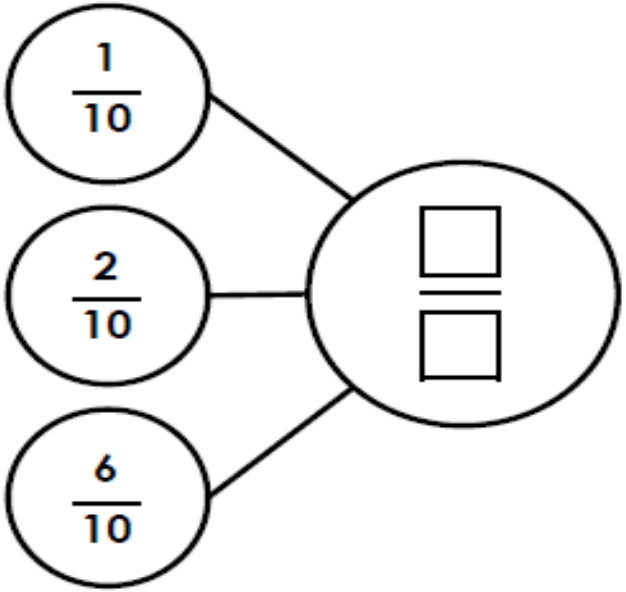
VF

7b. True or false?

$$\frac{3}{8} + \frac{1}{8} + \frac{2}{8} = \frac{7}{8}$$

VF

8a. Complete this part whole model.



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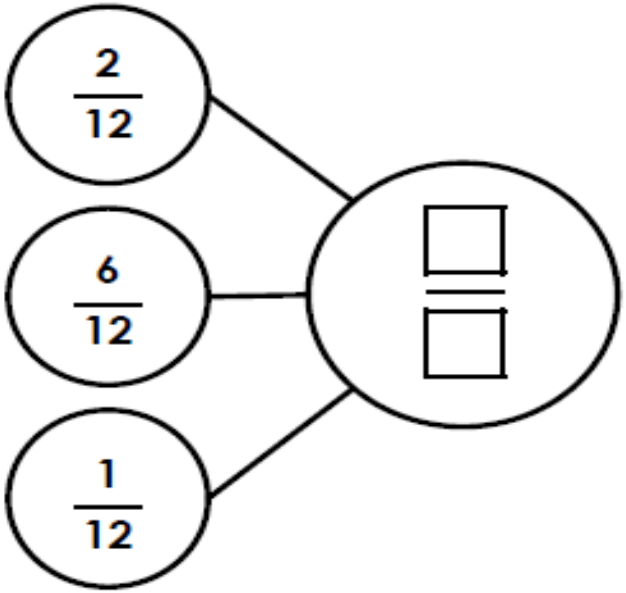
8b. Complete this part whole model.



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Adding Fractions – Challenge

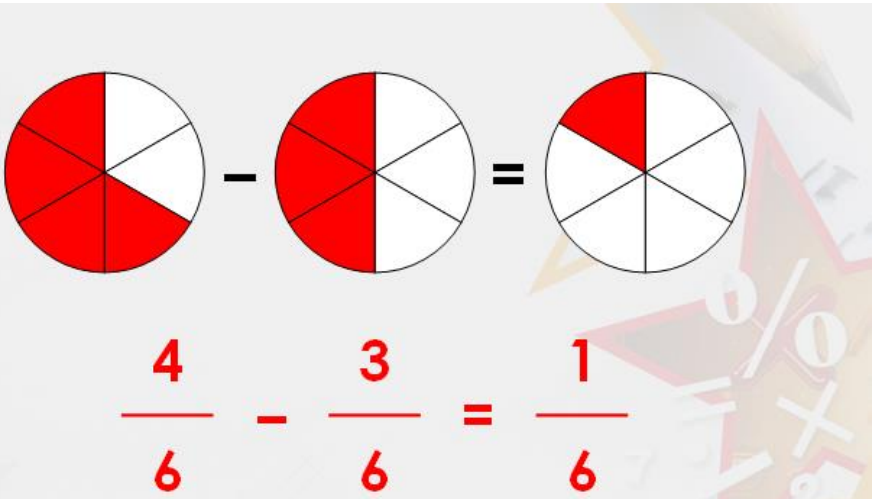
1. Complete the magic square below.

$\frac{1}{6}$		$\frac{2}{6}$
$\frac{6}{12}$		
$\frac{2}{6}$	$\frac{1}{6}$	

Each row and column must add up to the same total.

DP

$$\frac{9}{11} - \frac{3}{11} = \frac{6}{11}$$



$$\frac{4}{6} - \frac{3}{6} = \frac{1}{6}$$

Subtracting fractions is just as straight forward as adding them.

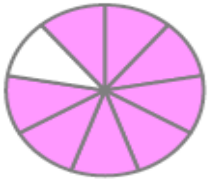
If have nine elevenths and I take away three elevenths, I am left with six elevenths.

Remember, the denominator doesn't change.

Activity 2a

1a. Complete the calculation.

$$\frac{8}{9} - \frac{6}{9} = \frac{\square}{\square}$$



D

VF

1b. Complete the calculation.

$$\frac{4}{7} - \frac{2}{7} = \frac{\square}{\square}$$

D

VF

6a. Complete the calculation.

$$\frac{10}{12} - \frac{6}{12} = \frac{\square}{\square}$$

E

VF

6b. Complete the calculation.

$$\frac{9}{10} - \frac{5}{10} = \frac{\square}{\square}$$

E

VF

10a. Seven-ninths subtract two-ninths equals four-ninths.

True or false?

E

VF

10b. Eight-tenths subtract two-tenths equals six-tenths.

True or false?

E

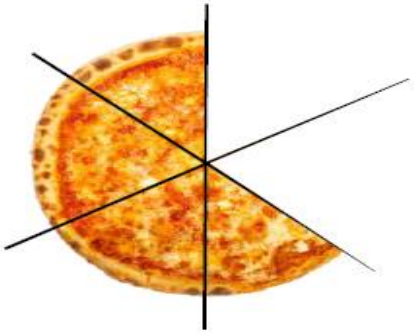
VF

Activity 2b

1a. Joe has $\frac{4}{6}$ of a pizza.

He gives Niall one-sixth of the pizza.

How many sixths does he have left?



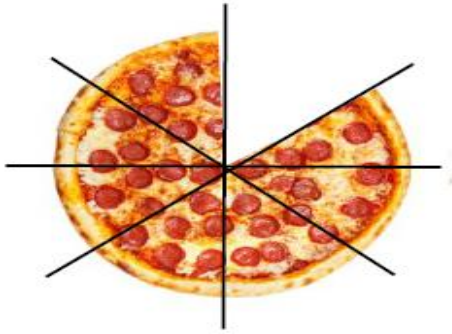
D

PS

1b. Katie has $\frac{7}{8}$ of a pizza.

She gives Josh four-eighths of the pizza.

How many eighths does she have left?



D

PS

4a. Simon has $\frac{9}{12}$ of a cake.

He gives Toby four-twelfths of the cake.

How many twelfths does he have left?

E

PS

4b. Leo has $\frac{9}{10}$ of a chocolate bar.

He gives Lottie seven-tenths of the bar.

How many tenths does he have left?

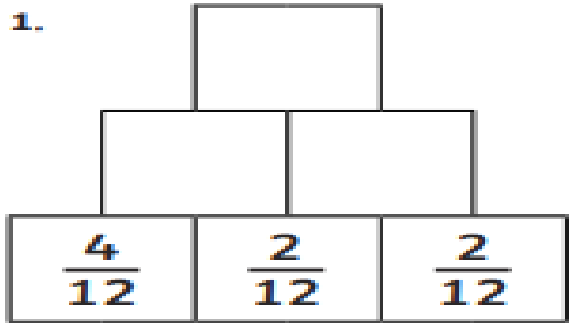
E

PS

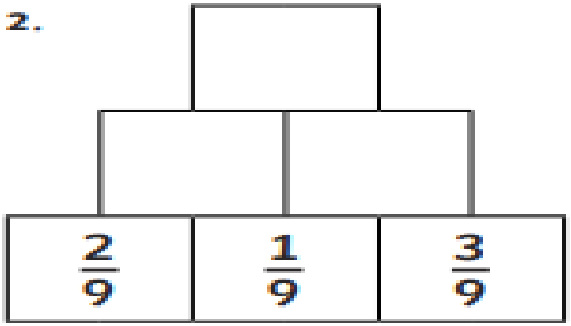
Adding and Subtracting Fractions - Challenge

Each pair of blocks totals the block above them. Use addition and subtraction to fill in the missing fractions and complete the steps.

1.



2.



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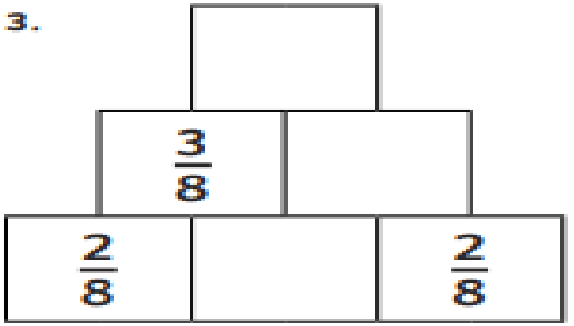

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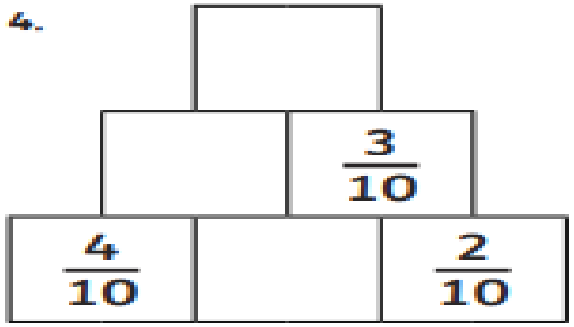

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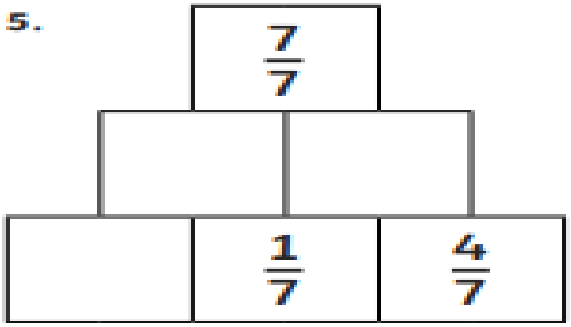
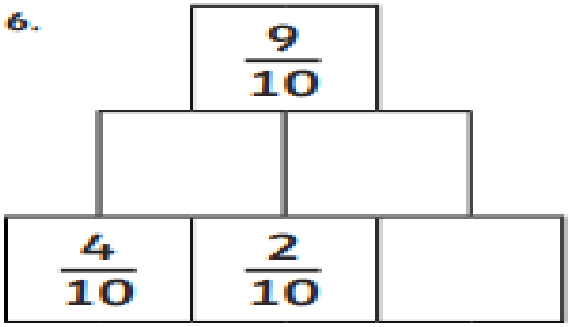
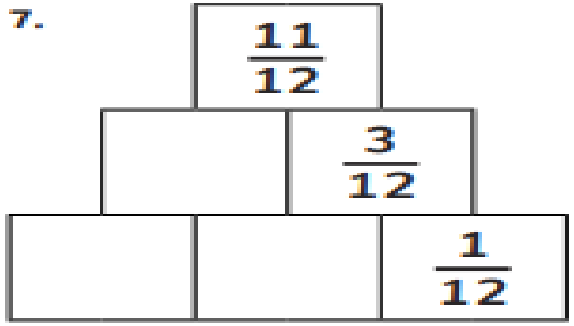


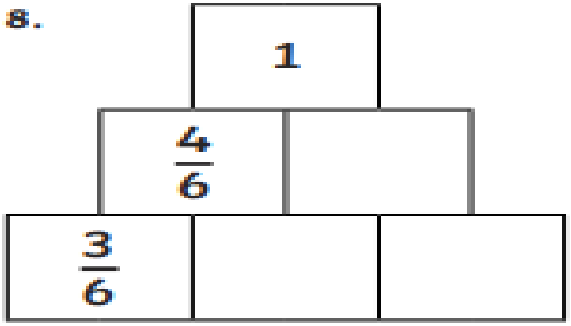
6.



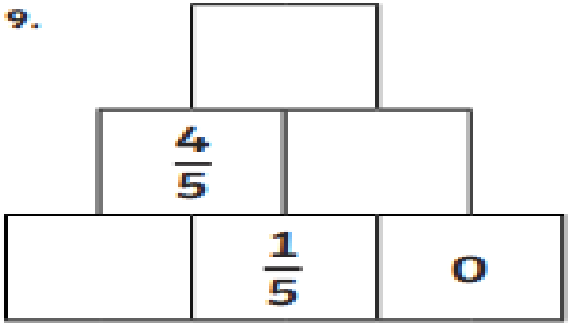
7.



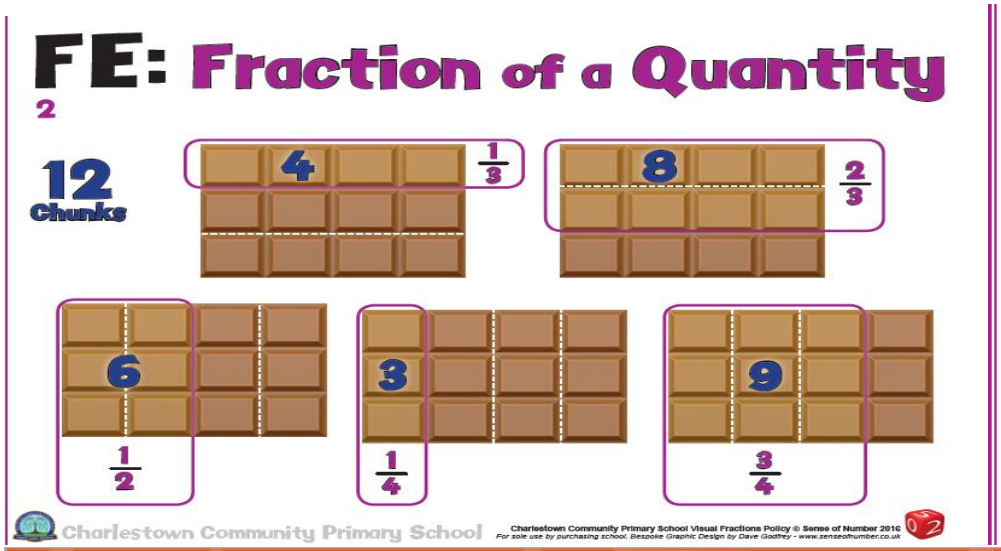
8.

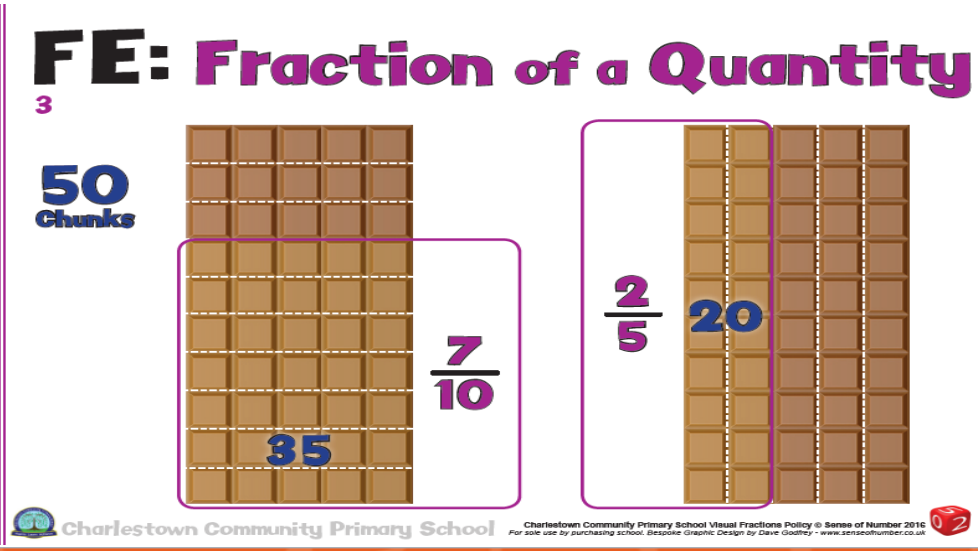


9.



[Fractions of an amount or quantity]





Fractions

Fractions are made up of a numerator and a denominator.

The denominator tells us what kind of fraction it is, by showing how many parts the whole has been shared into.

The numerator tells us how many parts we are looking at.

This fraction is a half.
A half is 1 of 2 equal parts.

Numerator (how many) → 1

Denominator (what kind) → 2

$\frac{1}{3}$

One equal group of three, 1/3. 12 Dice have been equally divided into three equal groups of 4.

$\frac{1}{7}$

One equal group of seven, 1/7. 14 Gold Coins have been equally divided into seven equal groups of 2.

$\frac{1}{5}$

One equal group of five, 1/5. 15 Fish have been equally divided into five equal groups of 3.

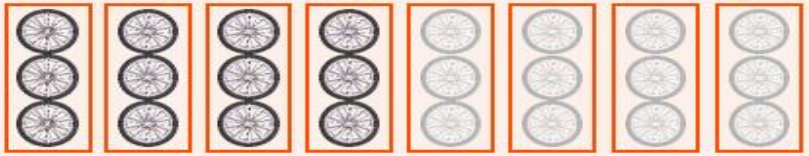
$\frac{3}{4}$

Three equal groups of four ¾ . 8 Teddies have been equally divided into four equal groups of 2. (2 + 2 + 2)

$\frac{2}{5}$

Two equal groups of five 2/5. 20 Carrots have been equally divided into five equal groups of 4. (4+4)

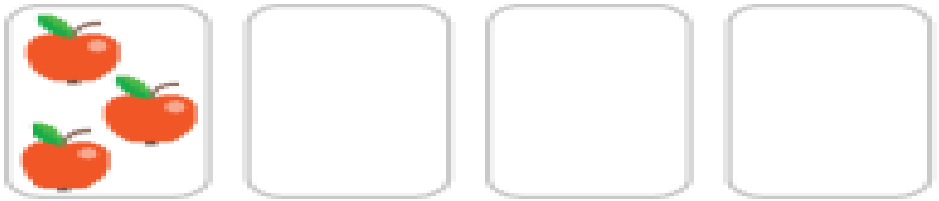
$\frac{4}{8}$



Four equal groups of eight, 4/8. 24 Bike Wheels have been equally divided into eight equal groups of 3. (3+3+3+3)

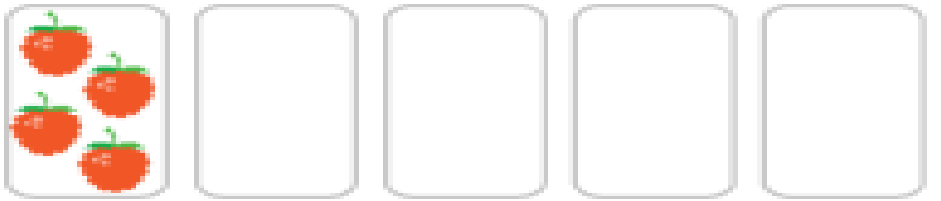
Activity 3a

5a. This is $\frac{1}{4}$ of a bag of apples.



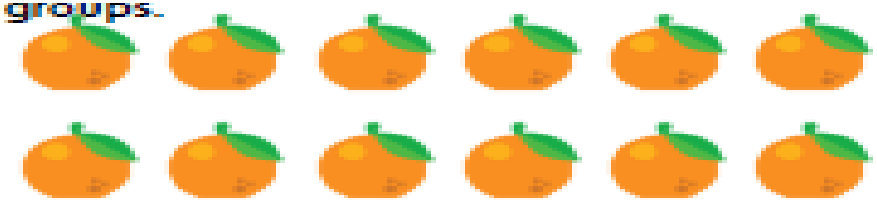
How many apples are in the whole bag?

5b. This is $\frac{1}{5}$ of a box of berries.

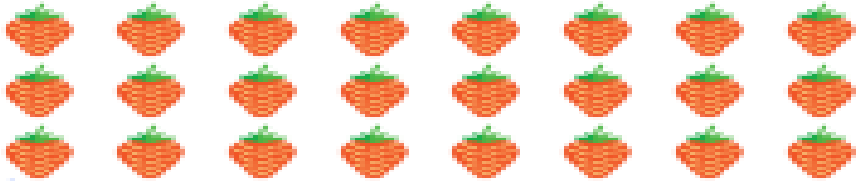


How many berries are in the whole box?

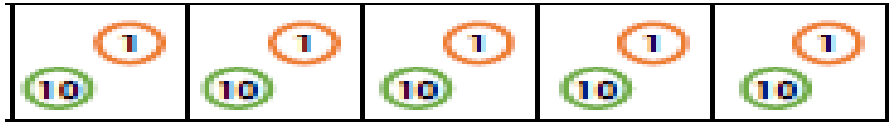
6a. Find $\frac{1}{3}$ of 12 by circling equal groups.



6b. Find $\frac{1}{8}$ of 24 by circling equal groups.

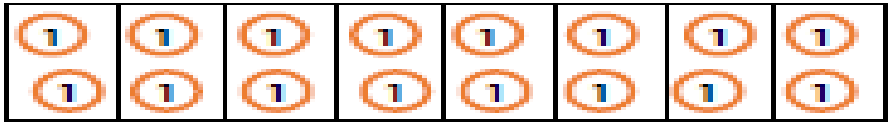


7a. Fill in the gaps to show the calculation this bar model represents.

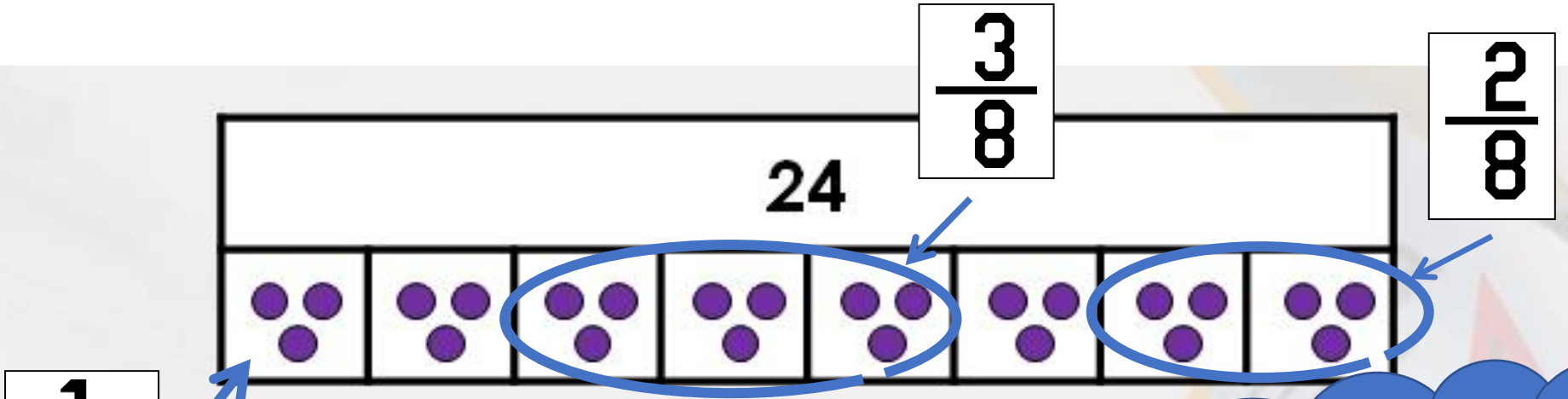


$\frac{1}{\square}$ of 55 = $\square$

7b. Fill in the gaps to show the calculation this bar model represents.



$\frac{1}{\square}$ of 16 = $\square$



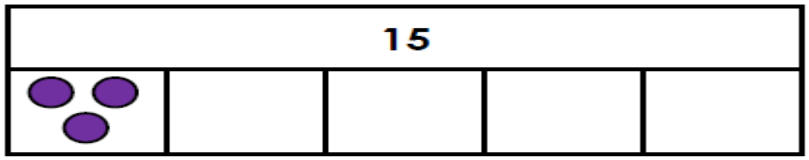
A.	$\frac{2}{8}$ of 24	6
B.	$\frac{3}{8}$ of 24	9
C.	$\frac{7}{8}$ of 24	21

In order to find 2/8, we first need to find 1/8. To do this we need to divide 24 into eight equal parts.

Activity 3b

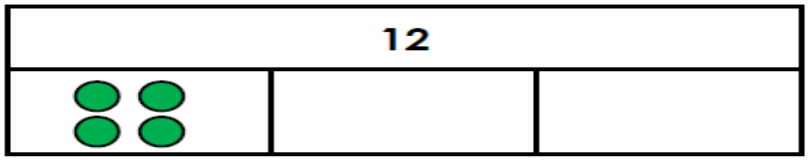
3a. Draw counters to complete the bar model to solve the calculation.

$\frac{3}{5}$ of 15



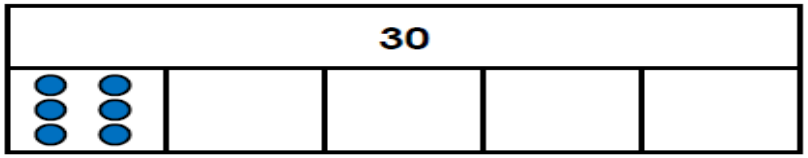
3b. Draw counters to complete the bar model to solve the calculation.

$\frac{2}{3}$ of 12



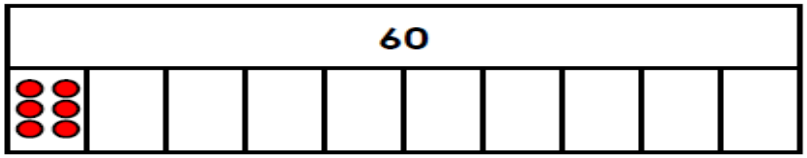
7a. Draw counters to complete the bar model to solve the calculation.

$\frac{4}{5}$ of 30

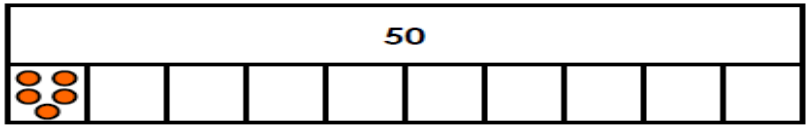


7b. Draw counters to complete the bar model to solve the calculation.

$\frac{7}{10}$ of 60



4a. Use the bar model below to calculate the following fractions.

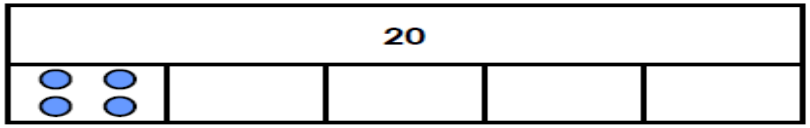


A. $\frac{2}{10}$ of 50

B. $\frac{6}{10}$ of 50

C. $\frac{9}{10}$ of 50

4b. Use the bar model below to calculate the following fractions.



A. $\frac{2}{5}$ of 20

B. $\frac{3}{5}$ of 20

C. $\frac{4}{5}$ of 20