

Reasoning and Problem Solving

Fractions – Year 1

About This Resource

This resource is aimed at Year 1 Expected and has been designed to give children the opportunity to consolidate the skills they have learned in Summer Block 2 – Fractions.

The questions are based on a selection of the same ‘small steps’ that are addressed in the block, but are presented in a different way so children can work through the pack independently and demonstrate their understanding and skills.

Small Steps

Halving shapes or objects
Halving a quantity
Find a quarter of a shape or object
Find a quarter of a quantity

National Curriculum Objectives

Mathematics Year 1: (1F1a) [Recognise, find and name a half as one of two equal parts of an object, shape or quantity](#)

Mathematics Year 1: (1F1b) [Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity](#)

Mathematics Year 1: (1M1) [Compare, describe and solve practical problems for lengths and heights \[for example, long/short, longer/shorter, tall/short, double/half\]](#)

Mathematics Year 1: (1M1) [Compare, describe and solve practical problems for mass/weight \[for example, heavy/light, heavier than, lighter than\]](#)

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Come to the Monster Pizza Party!



*You are invited to a Monster Pizza Party,
today at 10 o'clock in my cave.*

*There will be lots of yummy insect treats
and bogey bread to spread them on.*

Come along and join the fun!

Lots of love your monster buddy Gregor

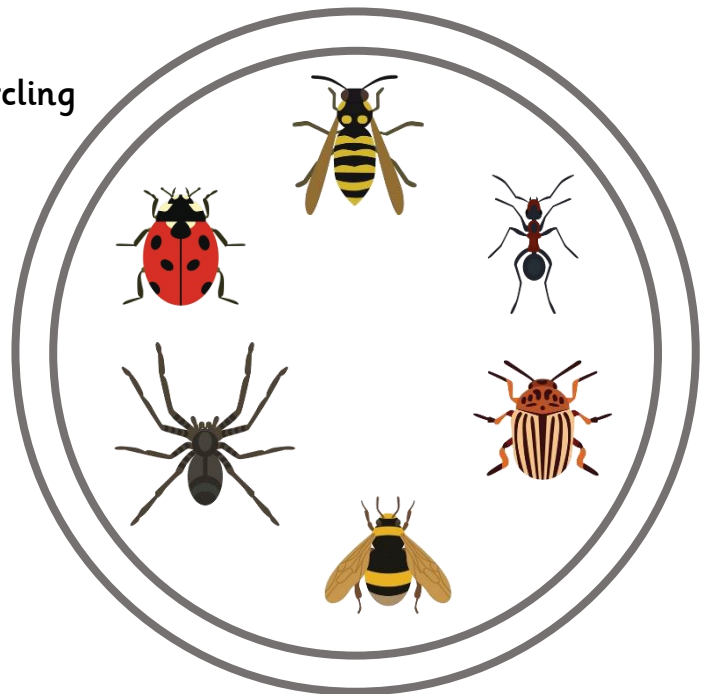


The monsters are having a pizza party and you are invited!
You have to choose your toppings from Gregor's list.

1. Which bugs would you eat on a pizza?
Choose half the bugs from the plate, by circling
which ones you'd like on the pizza.

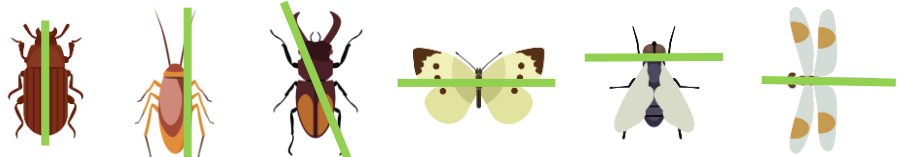
You now need to cut your ingredients
in half so they fit on the pizza.

2. Draw a line to cut the insects in half.



Fluffy wants to face time you.
He needs help to cut his ingredients.

3. Circle the insects he has cut in half correctly.



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Time to pack up your ingredients.

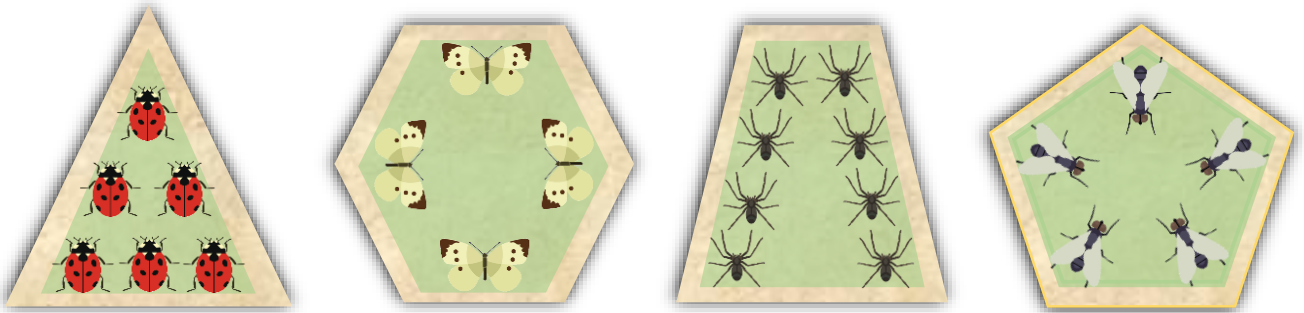
4. How many bugs will be in each container?



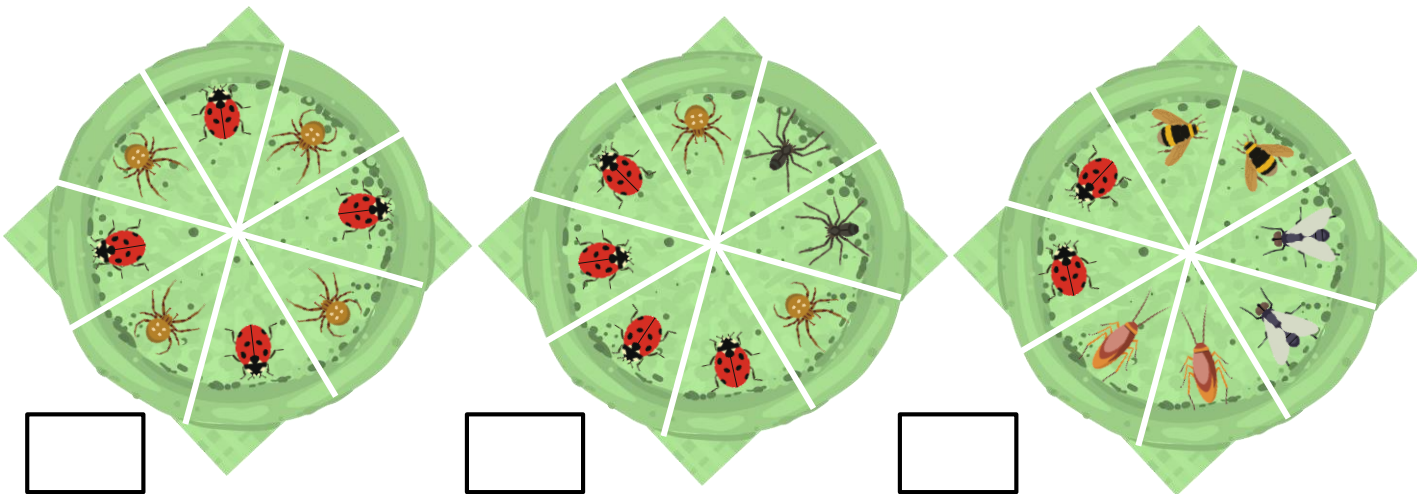
You've arrived and the monsters have already made the pizza bases. They have smeared the bogey mix on top to hold your insects in place.

WOW! What crazy shapes monsters have for their pizzas! Have you ever seen a pentagon for a pizza? Help to cut the pizzas in half.

5. Draw a line to show where they should be cut. Make sure the pieces are equal.



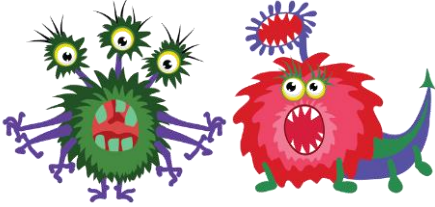
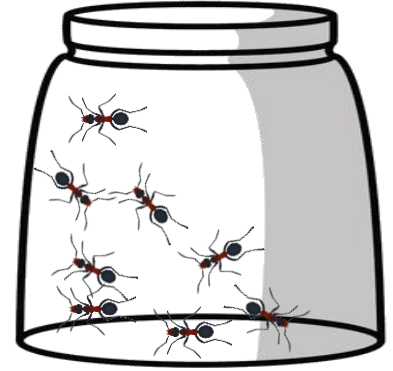
Munchie has tried to put ladybirds on only half of each pizza because he doesn't like ladybirds as much as spiders!



6. Tick which pizzas have ladybirds on half of the slices.

Zelda and Rhianna are fighting over the last pot of ants.

7. If they take half each, how many ants will they have?

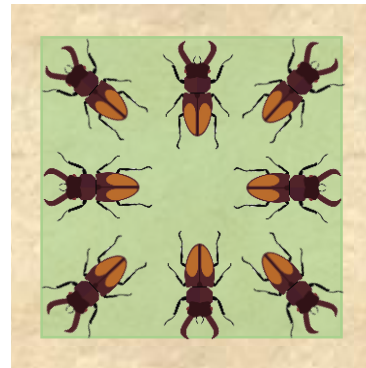


Your pizzas are ready!

DISASTER, Zelda and Rhianna drop theirs on the floor.

You and Gregor decide to share your pizzas with them.

8. Cut each pizza into quarters.



It's time for some pudding!

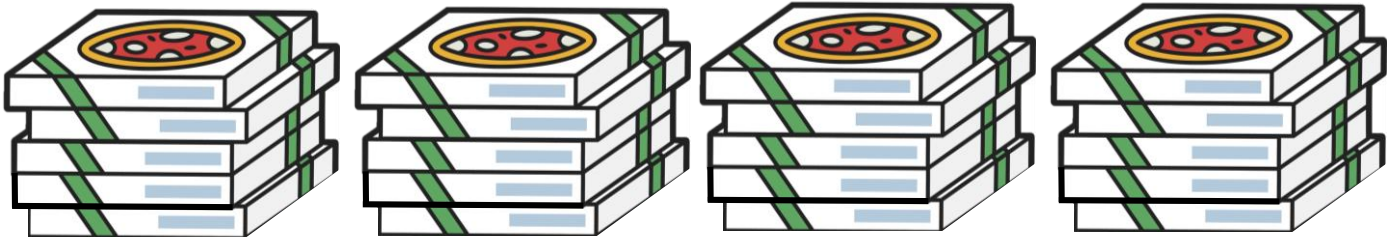
Yum it is ice-cream...

There are only 8 scoops of ice cream to share.

9. Draw the scoops on the cones to give everyone one quarter of the ice cream.



Wow there are so many left over pizzas! The monsters decide to donate one quarter of the left over pizzas to a charity.



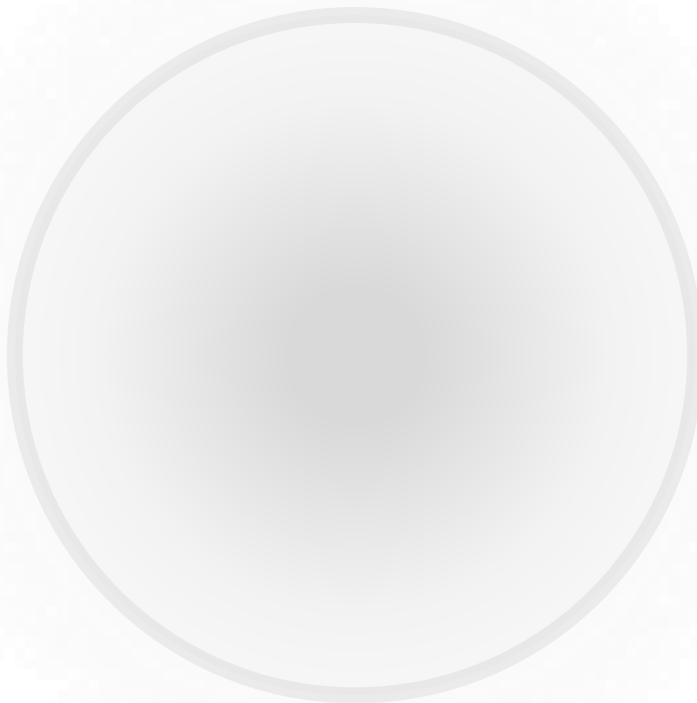
10. How many pizzas will the charity get?



The Monster Pizza Party was a great success, everyone is stuffed!

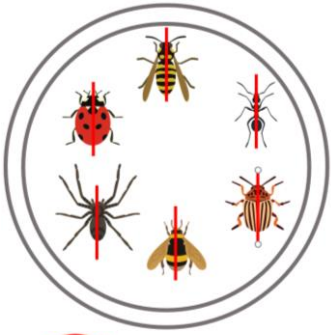
Next time it's a 'Make Your Own Soup Supper' and you are in charge of the ingredients. What gruesome food will you try?

Draw a picture in the bowl of the worst monster soup you can imagine!

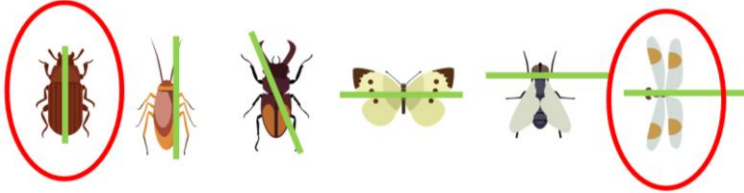


1. Children can choose any 3 insects.

2.

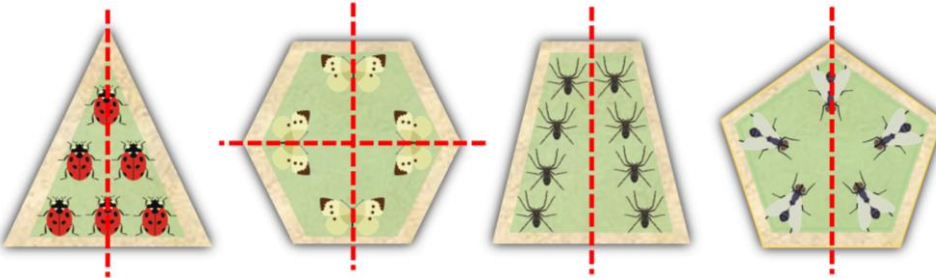


3.

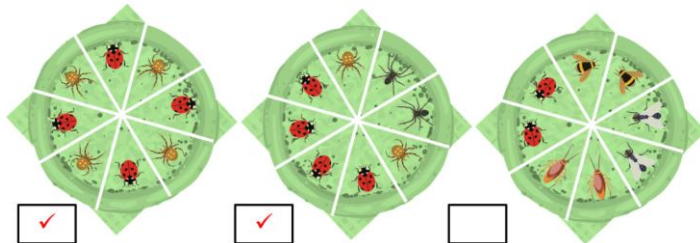


4. There should be 3 bugs in each jar.

5.

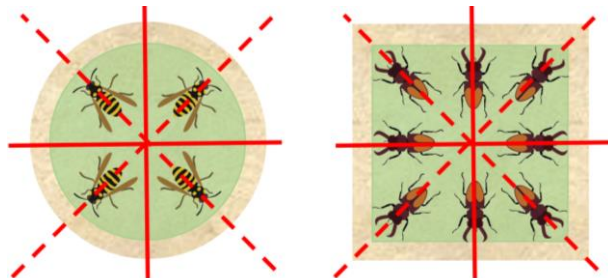


6.



7. 4 ants each

8.



9. Each cone should have 2 scoops on.

10. Five pizzas should get to the charity.