

At-Home Investigation

The toys are having a picnic! Get 4 toys to have a picnic and set it up so that each toy has a plate, a spoon and a cup.

You have 12 pieces of food to share.

How could you share them out so that it was fair?

Draw the plates to show what you have made:



You have 20 pieces of food. How could you share them out so that it was fair?

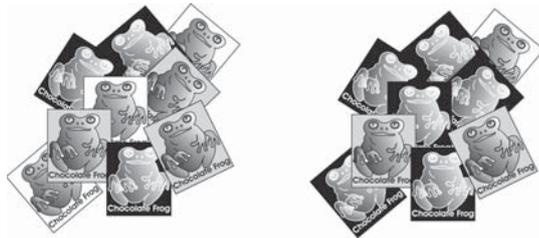
Draw the plates to show what you have made:

One toy leaves the picnic! How can you share out your 20 pieces of food now so that it is fair?

Draw the plates to show what you have made.

Problem 17: Sharing

Patrick and James had some chocolate frogs each.



 Fill in the boxes to describe the chocolate frogs.

lots of chocolate frogs.

There are frogs altogether.

Their friend Joshua came to play. Can the chocolate frogs be shared equally between the three boys?

 or  Show how many frogs each boy would get.
Will there be any left over?

If another friend came to play, would the boys be able to share the chocolate frogs equally?

 or  Show how many frogs each boy would get.
Will there be any left over?

Problem solving:

Teacher initials:

Date:

Student solved the problem with:

- Minimal help
- Some prompting
- Solved after explanation
- Did not work out a solution by themselves
- N/A – not a novel problem

 Are there any other ways that the frogs could be shared equally?

 Tell a friend how you solved the problem.

Peer Assessment

Name:



Number focus worksheet: making 20

objects and spaces makes

objects and spaces makes

objects and spaces makes

objects and spaces makes

Interleaved practice

Number:

1. Write a pattern that goes up in 3s, starting at 13.
2. $45 - \underline{\quad} = 17$
3. What number has 16 ones and 4 tens?
4. Draw 24 counters in as many arrays as you can
5. Split 18 counters into 3 groups, so that 2 of the groups have the same number. How many ways can that be done?

Measurement/Geometry:

6. Find a rectangular prism (box, like for cereal). How many faces does it have? What do you notice about the faces?
7. What will the date be on Tuesday next week? How many days are there until Tuesday of next week?
8. Draw an analogue clock. Show 2:30.

Chance/Data:

9. Roll a dice 20 times and record how many times each number comes up. Use tallies.

Application questions

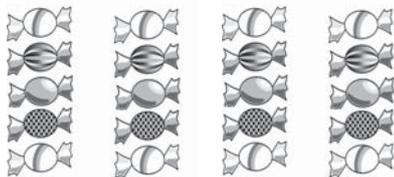
1. Anna is making party bags to give to her friends. She has 24 lollies to put in the bags. Each party bag is going to have 3 lollies.

How many party bags can she make?

 or  Show how many party bags there would be.

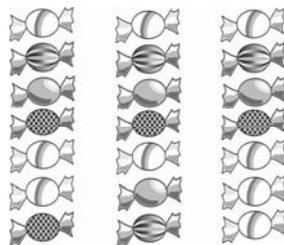
2. Anna has some more lollies to use for a lolly hunt. She hides them in groups.

 Fill in the boxes to describe the groups of lollies.



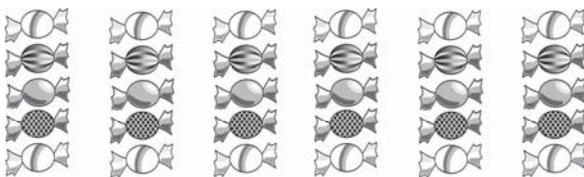
lots of lollies.

There are lollies altogether.



lots of lollies.

There are lollies altogether.



lots of lollies.

There are lollies altogether.

Manipulation problem

4 boys had 26 chocolate frogs to share.

How many chocolate frogs will each boy get?

 or  Show how many chocolate frogs each boy would get.

Backwards question

When Anna made 8 groups of 5 lollies she had 3 lollies left over.

How many lollies did she start with?

 or  Show how many lollies Anna had.