National Curriculum Objectives:

Mathematics Year 1: (1N1b) Count in multiples of twos, fives and tens

Mathematics Year 1: (1C8) Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher

Differentiation:

Questions 1, 4 and 7 (Problem Solving)

Developing Working out the mystery number from a set of 2 clues. Numbers up to 12 used, shared into 2 groups.

Expected Working out the mystery number from a set of 3 clues. Numbers up to 20 used, shared into 2, 5 or 10 groups.

Greater Depth Working out the mystery number from a set of 3 clues. Numbers up to 30 used, shared into 3, 4 or 6 groups.

Questions 2, 5 and 8 (Reasoning)

Developing Choosing how many groups (2 options) to share a number of items between. Numbers up to 12 used, split into 2 groups.

Expected Choosing how many groups (3 options) to share a number of items between.

Numbers up to 20 used, split into 2, 5 or 10 groups.

Greater Depth Choosing how many groups (3 options) to share a number of items between. Numbers up to 30 used, split into 3, 4 or 6 groups.

Questions 3, 6 and 9 (Problem Solving)

Developing Working out how many items to take away to be left with a number that can be shared equally. Numbers up to 12 used, split into 2 groups.

Expected Working out how many items to take away to be left with a number that can be shared equally. Numbers up to 20 used, split into 2, 5 or 10 groups.

Greater Depth Working out how many items to take away to be left with a number that can be shared equally. Numbers up to 30 used, split into 3, 4 or 6 groups.

More Year 1 Multiplication and Division resources.

Did you like this resource? Don't forget to <u>review</u> it on our website.

classroomsecrets.com



1a. What number is Adie thinking of?



My number is between 8 and 12.

My number shares equally into 2 groups. 1b. What number is Yaya thinking of?



My number is between 2 and 6.

My number shares equally into 2 groups.



PS

2a. Liam needs to share his toy cars equally. He has 8 toy cars. His friends have some things he can put the toy cars into.

> Nusra has 2 bags.

Caleb has 5 boxes.

2b. Jane needs to share her biscuits equally. She has 2 biscuits. Her friends have some things she can put the biscuits into.

Fiona has 3 bags.

Rhys has 2 boxes.

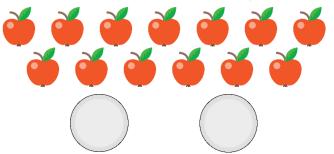
Which friend should he ask for help? Explain your choice.



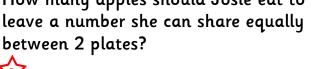
Which friend should she ask for help? Explain your choice.



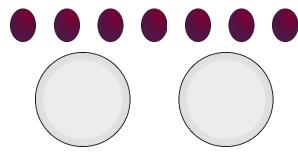
3a. Josie has 13 apples. She has to share them equally between 2 plates.



How many apples should Josie eat to



3b. Marc has 7 grapes. He has to share them equally between 2 plates.



How many grapes should Marc eat to leave a number he can share equally between 2 plates?



classroomsecrets.com



4a. What number is Henry thinking of?



My number is between 5 and 25.

My number shares equally into 10 groups.

If you share my number equally into 10 groups, you get an even number in each group.

4b. What number is Alli thinking of?



My number is between 5 and 20.

My number shares equally into 5 groups.

If you share my number equally into 5 groups, you get an odd number in each group.



5a. Yun needs to share her models equally. She has 5 models. Her friends have some things she can put the models into.

> Will has 2 boxes.

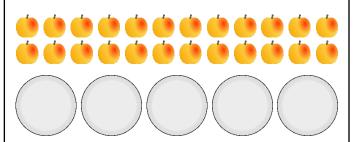
Finn has 5 bags.

Marie has 10 baskets.

Which friend should she ask for help? Explain your choice.



6a. Yuri has 24 peaches. He has to share them equally between 5 plates.



How many peaches should Yuri eat to leave a number he can share equally between 5 plates?

5b. Toby needs to share his books equally. He has 14 books. His friends have some things he can put the books into.

Kate has 5 boxes.

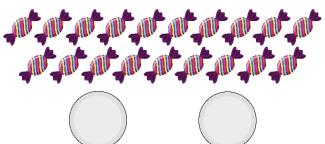
Elle has 2 bags.

Niall has 10 baskets.

Which friend should he ask for help? Explain your choice.



6b. Freya has 19 sweets. She has to share them equally between 2 plates.

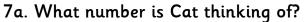


How many sweets should Freya eat to leave a number she can share equally between 2 plates?











My number is between 20 and 40.

My number shares equally into 3 groups.

If you share my number equally into 3 groups, you get a number ending in 0 in each group.

7b. What number is Stan thinking of?



My number is between 5 and 10.

My number shares equally into 4.

If you share my number equally into 4 groups, you get less than 3 in each group.



8a. Titus needs to share his t-shirts equally. He has 30 t-shirts. His friends have some things he can put the t-shirts into.

> Jeff has 8

boxes.

Laura has 6 bags.

Sol has 4 baskets. 8b. Joy needs to share her bracelets equally. She has 15 bracelets. Her friends have some things she can put the bracelets into.

Em has 4 boxes.

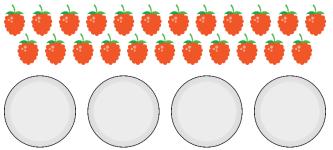
Explain your choice.

Stephan has 6 bags.

Mick has 3 baskets.

Which friend should he ask for help? Explain your choice.

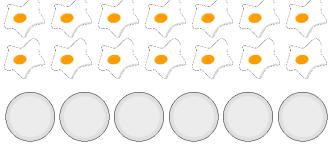
9a. Amy has 23 raspberries. She has to share them equally between 4 plates.



How many raspberries should Amy eat to leave a number she can share equally between 4 plates?

9b. Arnie has 14 fried eggs. He has to share them equally between 6 plates.

Which friend should she ask for help?



How many fried eggs should Arnie eat to leave a number he can share equally between 6 plates?



classroomsecrets.com

Developing

- 1a. Adie is thinking of the number 10.
- 1b. Yaya is thinking of the number 4.
- 2a. Nusra. 8 shared between 2 is 4. 8 would not share equally between 5.
- 2b. Rhys. 2 shared between 2 is 1. 2 would not share equally between 3.
- 3a. Josie should eat 1 apple.
- 3b. Marc should eat 1 grape.

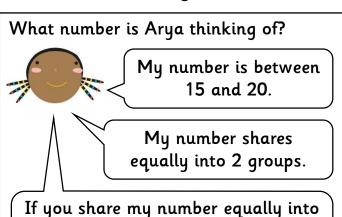
Expected

- 4a. Henry is thinking of the number 20.
- 4b. Alli is thinking of the number 15.
- 5a. Finn. 5 shared between 5 is 1. 5 would not share equally between 2 or 10.
- 5b. Elle. 14 shared between 2 is 7. 14 would not share equally between 5 or 10.
- 6a. Yuri should eat 4 peaches.
- 6b. Freya should eat 1 sweet.

Greater Depth

- 7a. Cat is thinking of the number 30.
- 7b. Stan is thinking of the number 8.
- 8a. Laura. 30 shared between 6 is 5. 30 would not share equally between 8 or 4.
- 8b. Mick. 15 shared between 3 is 5. 15 would not share equally between 4 or 6.
- 9a. Amy should eat 3 raspberries.
- 9b. Arnie should eat 2 eggs.





2 groups, you get an even number in each group.

Arya is thinking of the number 16.



PS

Carys needs to share her marbles equally. She has 10 marbles. Her friends have some things she can put the marbles into.

Neelam
has
bags.

Jake has 4
bags.

Cal has 5
baskets.

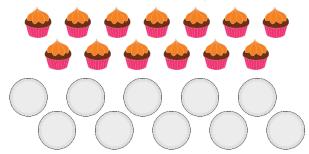
Cal. 10 shared between 5 is 2. 10 would not share equally between 3 or 4.

Which friend should she ask for help? Explain your choice.



-

Del has 13 cupcakes. He has to share them equally between 10 plates.



How many cupcakes should Del eat to leave a number he can share equally between 10 plates?



Del should eat 3 cupcakes.

P.S