

Maths -

27/04/20

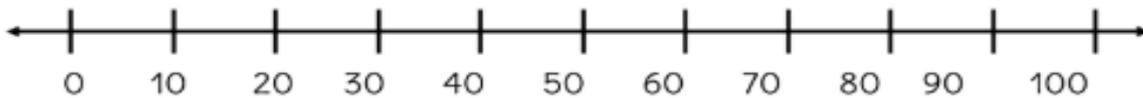
Halves using equal sharing

Activity 1 - starter

Use a number line to add and subtract pairs of numbers to 20 and multiples of 10. Write the answers on the lines or underline the answers in your books.



1. $12 + \underline{\quad} = 20$
2. $20 - 11 = \underline{\quad}$
3. $5 + \underline{\quad} = 20$
4. $20 - 7 = \underline{\quad}$
5. $20 - \underline{\quad} = 3$

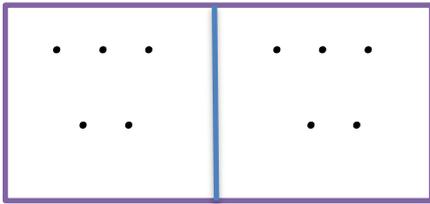


1. $20 + \underline{\quad} = 100$
2. $\underline{\quad} + 50 = 100$
3. $100 - \underline{\quad} = 40$
4. $100 - 30 = \underline{\quad}$
5. $100 - \underline{\quad} = 20$

Worksheet 2:

Find halves using equal sharing into 2 groups.

Example: Half of 10 = 5.



1. Half of 12 =
2. Half of 18 =
3. Half of 24 =
4. Half of 36 =
5. Half of 30 =

Challenge:

Amy is 28 years old. Her little sister is half her age. How old is Amy's sister?

Josh has 44 coloured markers. He shares half of the markers with his friend Sam. How many markers does Josh have left?

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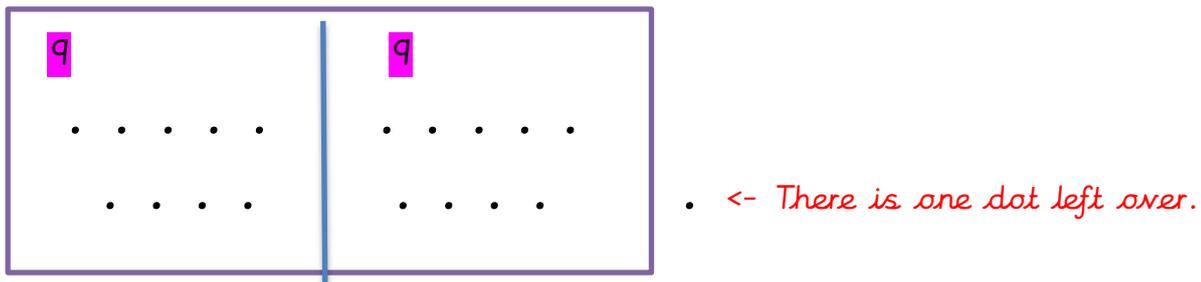
Halves using equal sharing with remainders

Tuesday: Worksheet 1:

Find halves using equal sharing into 2 groups with remainders.

Remainder means how many there are left over.

Example: Half of 19 = 9 remainder 1.



When I share 19 dots, I can only share 9 equally and there is 1 left over. I can't put that one dot left over in the box because it will not be equal. So the answer would be 9 remainder 1 or 9 with 1 left over.

19 is an odd number, so it can't be halved without a remainder.

Remember to write the answer with the remainder!

Copy these in your books.

1. Half of 9 =
2. Half of 15 =
3. Half of 21 =
4. Half of 27 =
5. Half of 33 =

Challenge:

Kim bought 23 sweets. She shares half with her little sister. How many sweets do they each have? Write the answer with the remainder.

Kim gets _____ sweets. Her little sister gets _____ sweets.

There are _____ sweets left over.

Tom has 51 marbles. He shares half of the marbles with his neighbour Zack. How many marbles do they each have? Write the answer with the remainder.

Can 51 marbles be shared equally? Why?

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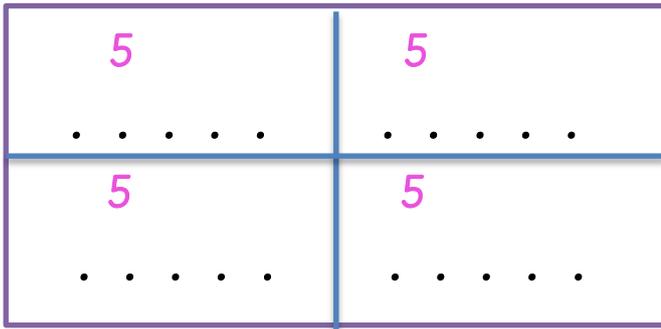
Finding a quarter using equal sharing

Worksheet 1:

Find a quarter using *equal sharing* into 4 groups.

Remember, a quarter is sharing into 4 equal groups.

Example: A quarter of 20 = 5.



I shared 20 dots into 4 groups and I shared equally. After sharing 20 dots, I counted how many dots there are in one group and I counted 5 dots. So the answer would be 5.

Work out:

1. A quarter of 12 =
2. A quarter of 16 =
3. A quarter of 24 =
4. A quarter of 44 =
5. There are 28 boxes of pencils. They are shared equally by 4 classes. How many boxes of pencils do each class have?
6. Jim has 40 bouncy balls. He shares them with his friends, Tom, Hanna and Peter. How many bouncy balls do they each have?
7. Anna has 32 lollies. She thinks if she shares the lollies with 3 friends, they will have 6 lollies each. Is Anna correct?
Explain your answer.

8. "There are 36 labels in a hat. They are given out *equally to 4 children*. Each child will have 7 labels."

Is this correct? How do you know?

9. Harry has 48 toys. He lets Lilly, George and Will play with his toys. *He shares them equally*. How many toys do they each get to play with?

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Halves and quarters with and without remainders

Worksheet 1:

Remember, a half is sharing into **2 equal groups** and a quarter is sharing into **4 equal groups**.

Work out:

1. In a box of 24 pencils, **half were sharp**. How many pencils weren't sharp?
2. James invited 20 friends to his birthday. Different games were planned for groups in **quarters**. How many children were in one group?
3. Pam collected 23 stickers. She shares **half** of the stickers with her sister. How many stickers do they each get? Write the answer with any remainders.
4. The class want to play football. There are 32 players and there are 4 teams. How many children are there in a team?
5. Lorna has £16 to spend. She spends a **quarter** of it. How much did she spend?
6. "My brother always gets the bigger half!" cried Greg. Is this possible? Why?
7. Angel has 23 stars. She shares it with Tom, May and Lilly. Can they be shared **equally in 4 groups**? Why? Explain your answer and write if there any remainders.
8. There are 30 strawberries. They are shared between 4 people. How many strawberries do they each have? Are there any left over?
9. Josh saved 80p over 4 days. How much did he save each day?
10. Katy is making 4 party bags. She can't decide if she should get party hats or party poppers.
There are **2 party hats** in one packet and **3 party poppers** in one packet.
Which one would have the **fewest** left over?
Explain why you think so.