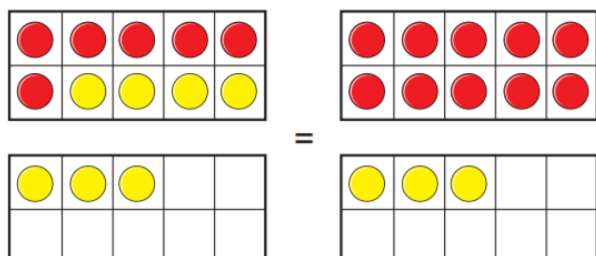


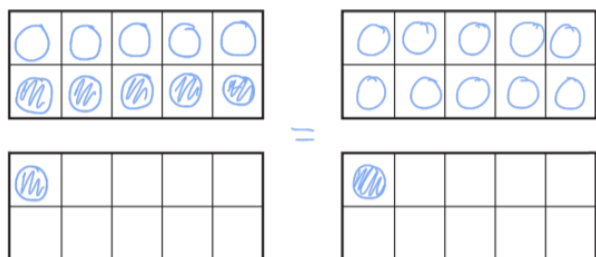
Monday

Mild

- 1 The ten frames show that $6 + 7$ is the same as $10 + 3$



Draw counters to show that $5 + 6$ is the same as $10 + 1$



- 2 Complete the additions.
Use ten frames to help you.

a) $8 + 3 = 10 +$ 1

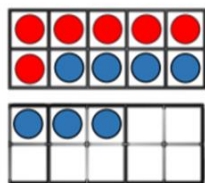
b) $9 + 7 = 10 +$ 6

c) $7 + 5 = 10 +$ 2

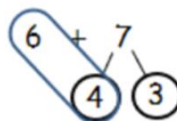
d) $6 + 8 = 10 +$ 4

Medium

1. Rosie has used the 10 frames to calculate $6 + 7$

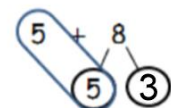


I partitioned the 7 into 4 and 3 so that I could make a full 10

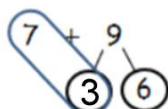


$$10 + 3 = 13$$

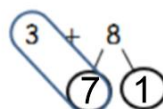
Use Rosie's method to complete:



$$10 + 3 = 13$$

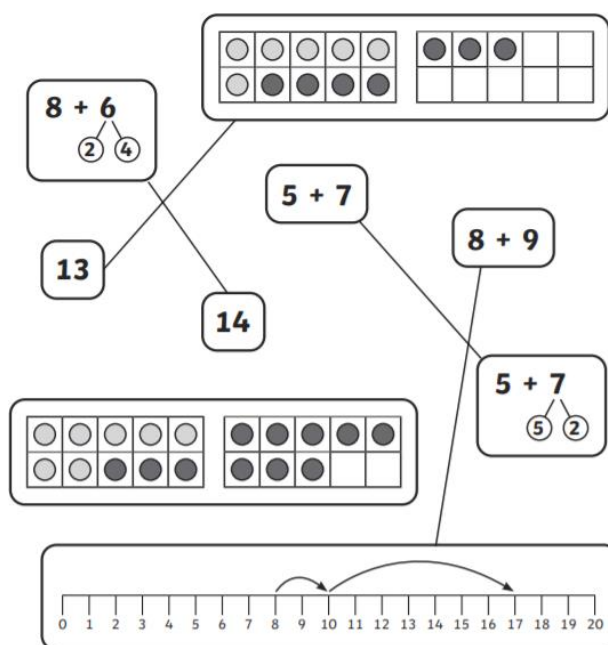


$$10 + 6 = 16$$

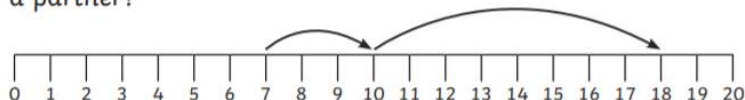


$$10 + 1 = 11$$

- 2.



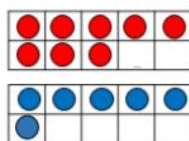
Can you draw a number line or part-whole model to match the one without a partner?



$$7 + 11$$

(3) (8)

3. Dexter uses ten frames to calculate eight plus six.



He says,



$$8 + 6 = 16$$

Do you agree?
Explain why.

Dexter is wrong because the answer should be 14. He should have filled the first ten frame before starting a second one.

Spicy

1.

$$\begin{array}{c} 8 + 4 = \boxed{12} \\ \begin{array}{c} \text{2} \quad \text{2} \\ \diagup \quad \diagdown \end{array} \\ \hline 10 + 2 = \boxed{12} \end{array}$$

$$\begin{array}{c} 9 + 7 = \boxed{16} \\ \begin{array}{c} \text{1} \quad \text{6} \\ \diagup \quad \diagdown \end{array} \\ \hline 10 + 6 = \boxed{16} \end{array}$$

$$\begin{array}{c} 6 + 5 = \boxed{11} \\ \begin{array}{c} \text{4} \quad \text{1} \\ \diagup \quad \diagdown \end{array} \\ \hline 10 + 1 = \boxed{11} \end{array}$$

$$\begin{array}{c} 8 + 8 = \boxed{16} \\ \begin{array}{c} \text{2} \quad \text{6} \\ \diagup \quad \diagdown \end{array} \\ \hline 10 + 6 = \boxed{16} \end{array}$$

$$\begin{array}{c} 7 + 6 = \boxed{13} \\ \begin{array}{c} \text{3} \quad \text{3} \\ \diagup \quad \diagdown \end{array} \\ \hline 10 + 3 = \boxed{13} \end{array}$$

$$\begin{array}{c} 9 + 5 = \boxed{14} \\ \begin{array}{c} \text{1} \quad \text{4} \\ \diagup \quad \diagdown \end{array} \\ \hline 10 + 4 = \boxed{14} \end{array}$$

2. Annie is calculating $8 + 6$
Which of these methods is most helpful?
Why?

$$\begin{array}{c} 8 + 6 \\ \begin{array}{c} \text{5} \quad \text{1} \\ \diagup \quad \diagdown \end{array} \end{array}$$

$$\begin{array}{c} 8 + 6 \\ \begin{array}{c} \text{4} \quad \text{2} \\ \diagup \quad \diagdown \end{array} \end{array}$$

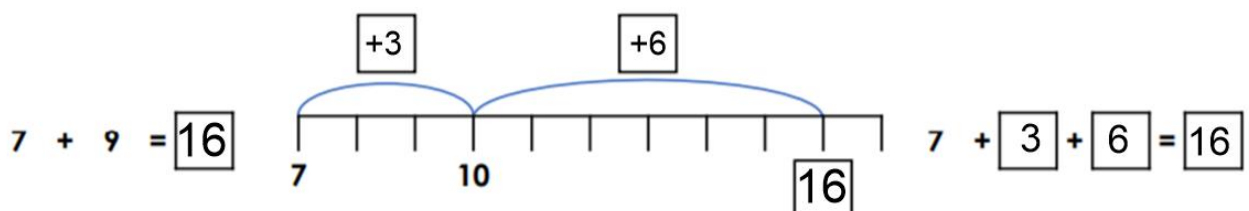
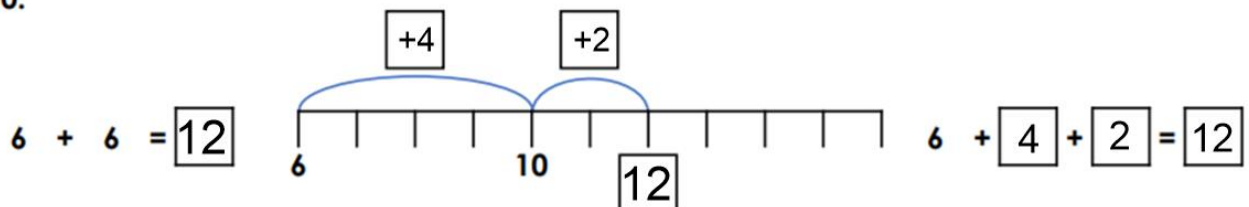
$$\begin{array}{c} 8 + 6 \\ \begin{array}{c} \text{6} \quad \text{2} \\ \diagup \quad \diagdown \end{array} \end{array}$$

$$\begin{array}{c} 8 + 6 \\ \begin{array}{c} \text{4} \quad \text{4} \\ \diagup \quad \diagdown \end{array} \end{array}$$

Partitioning the 6 into 4 and 2 is helpful as 8 and 2 make 10

Partitioning the 8 into 4 and 4 is helpful as 6 and 4 make 10

3. Complete the number lines and calculations to show how you can add by making 10.



Tuesday

Mild

- 1 Rosie has 15 cakes.



Her friends eat 6 cakes.

How many cakes does Rosie have left?

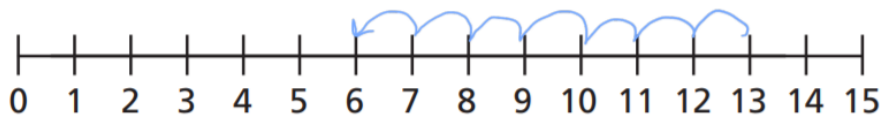
$$\boxed{15} - \boxed{6} = \boxed{9}$$

Rosie has $\boxed{9}$ cakes left.

- 2 Jack has 13 stickers.

He gives 7 stickers to Dora.

How many stickers does Jack have left?



$$\boxed{13} - \boxed{7} = \boxed{6}$$

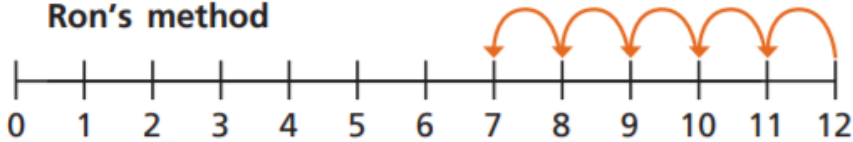
Jack has $\boxed{6}$ stickers left.

Medium

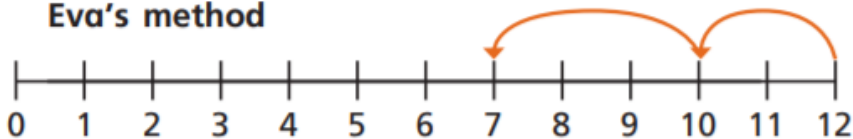
1.

Ron and Eva have worked out $12 - 5$ on a number line.

Ron's method



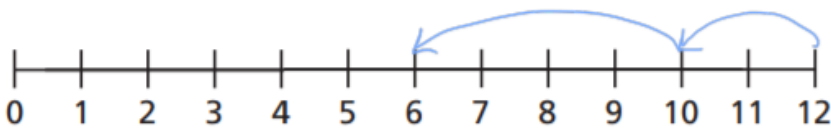
Eva's method



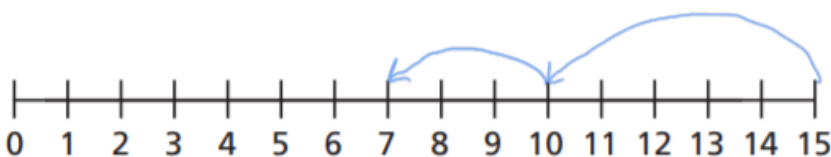
a) What is the same and what is different?

b) Use Eva's method to complete the subtractions.

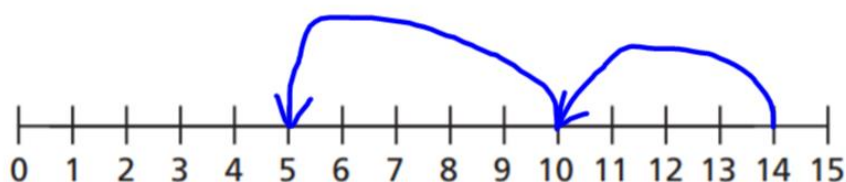
$$12 - 6 = \boxed{6}$$



$$15 - 8 = \boxed{7}$$



$$14 - 9 = \boxed{5}$$



The same:

- Both methods start on the number line with 12 as the whole.

- Both methods get the answer 7.

Different:

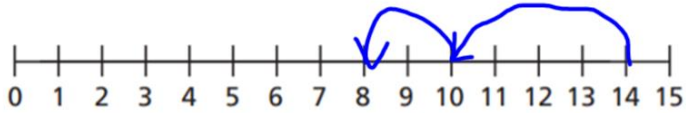
- Ron subtracted in jumps of 1.

- Eva portioned the -5 into 2 and 4. She subtracted to 10 first (-2) and then subtracted the remainder (-4).

Spicy

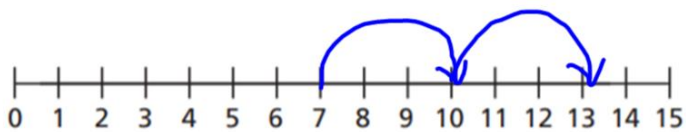
1. Fill in the missing numbers.

$$14 - \boxed{6} = 8$$



$$\boxed{13} - 6 = 7$$

$$7 + 6 = 13$$



- 2.

$16 - 9 = 7$

$15 - 8 = 7$

$13 - 7 = 6$

$16 - 7 = 9$

$15 - 8$

$10 - 3 = 7$

$13 - 7$

$10 - 4 = 6$

$16 - 7$

$10 - 1 = 9$

- 3.

The numbers she could have started on are 11, 12, 13 or 14.

Possible calculations:

$$11 - 5 = 6$$

$$12 - 6 = 6$$

$$13 - 7 = 6$$

$$14 - 8 = 6$$

Wednesday

Mild

$$12 + 4 = 16$$

1. If you had 12 jelly beans and 4 lollipops, how many would you have in total?



$$20 - 2 = 18$$

2. If you had 20 milk cartons and drink 2 of them, how many would you have left?



3. If you had 10 glass bottles and 3 of them smashed, how many of them would you have left?



$$10 - 3 = 7$$

4. If you had 8 milk cartons and 9 juice cartons, how many would you have altogether?



$$8 + 9 = 17$$

5. Jack has 11 apples.
Mo has 5 apples.

Jack	11
Mo	5

How many more apples does Jack have than Mo?

Tick the number sentence that answers the question.

$$11 + 5 = 16$$

$$11 - 5 = 6$$

6. Jim had 8 sweets. Lee gave him 4 more. How many sweets has Jim got now?

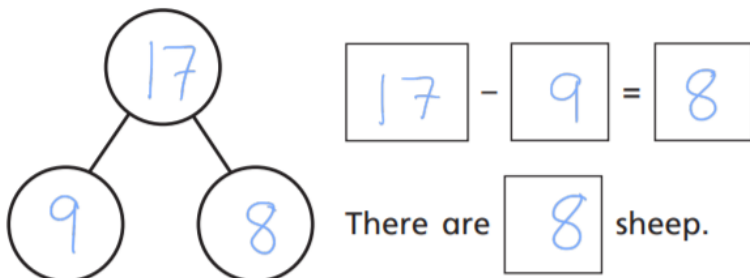


$$8 + 4 = 12$$

Medium

1. There are 17 animals on a farm.
There are 9 horses.
The rest of the animals are sheep.

a) How many sheep are there?



- 2a. Helen went on a boat trip and counted 15 fish, then 4 **more** fish arrived.
How many fish does that **make**?

$$\boxed{15} + \boxed{4} = \boxed{19}$$

- b. Lily saw 14 butterflies on a leaf, then 6 **more** were added, how many butterflies are there in **total**?

$$\boxed{14} + \boxed{6} = \boxed{20}$$

3.



- a) Choose two cards to complete the subtraction.

e.g. $\boxed{1} \boxed{6} - \boxed{4} = \boxed{12}$

- b) How many different subtractions can you make?

Work out the answer to each one.

$$14 - 6 = 8$$

$$14 - 9 = 5$$

$$16 - 4 = 12$$

$$16 - 9 = 7$$

$$19 - 4 = 15$$

$$19 - 6 = 13$$

Answers

- | | |
|-----------------|---------------|
| 1. 16 ostriches | $7 + 9 = 16$ |
| 2. 16 elephants | $11 + 5 = 16$ |
| 3. 8 wildebeest | $17 - 9 = 8$ |
| 4. 7 meerkats | $14 - 7 = 7$ |
| 5. 18 vultures | $13 + 5 = 18$ |
| 6. 8 wildebeest | $20 - 12 = 8$ |

7. Amir has 16 apples. Ron has none. Amir gives Ron 9 apples. Who has the most apples now? Explain how you know.

Ron because he has 9 and Amir only has 7 left.
 $16 - 9 = 7$

8. Look at the following objects.



Teddy works out these calculations.

$$\begin{aligned}15 - 4 &= \underline{\quad} \\15 - 11 &= \underline{\quad} \\11 - 4 &= \underline{\quad}\end{aligned}$$

What question could he have asked each time?

$15 - 4 = 11$
(Teddy has 15 bears. He eats 4. How many are left?)
 $15 - 11 = 4$ (11 are yellow how many are purple?)
 $11 - 4 = 7$ (How many more yellow bears are there?)

Thursday

Mild

1. Write the missing phrase.

less than

greater than

equal to

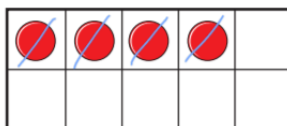
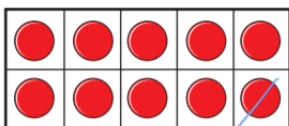
$9 + 3$ is less than $6 + 7$

$11 + 2$ is greater than $9 + 3$

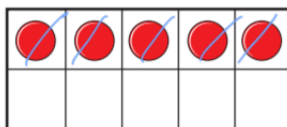
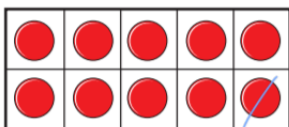
$6 + 7$ is equal to $11 + 2$

2. Cross out counters to show each subtraction.

$14 - 5$



$15 - 6$



Write the missing phrase.

less than

greater than

equal to

$14 - 5$ equal to $15 - 6$

Medium

1.

Complete the number sentence.

e.g. $\boxed{11} + \boxed{2} = \boxed{14} - \boxed{1}$

How many ways can you complete the number sentence?

2.

$$5 + 3 < 2 + 7$$

$$4 + 2 > 3 + 2$$

$$5 - 2 = 4 - 1$$

$$5 + 2 < 8 + 1$$

$$6 - 3 > 10 - 8$$



3. **Various answers, for example: $13 + 4 = 9 + 8$; $4 + 13 = 9 + 8$; $9 + 8 = 13 + 4$**

4. **B**

Spicy

1.

Multiple answers possible. Example answer:

$$1 + 2 < 3 + 4$$

$$2 + 3 = 1 + 4$$

$$4 + 1 > 3 - 2$$

$$4 - 2 = 3 - 1$$



2.

Both boys are correct. The missing number could be 2 but it could also be 3, 4, 5, 6, 7, 8, 9 or 10. There is more than one possible solution.



3. **Various answers, for example: $8 + 7$; $16 - 4$; $13 + 6$**

Friday

Mild

Measure and Geometry

1. You have breakfast in the

- a. morning
- b. afternoon
- c. evening.



1:16

a

2. What month comes **after** March?

- a. February
- b. May
- c. April

1:17

c

3. What time does this clock show?



1:18

10 o'clock

4. What is this shape?

- a. cuboid
- b. pyramid
- c. sphere



1:19

a

5. The teddy bear is:

- a. on the chair.
- b. under the chair.
- c. next to the chair.



1:20

b

Number and Place Value

6. What is the missing number?

43 42 41 40

1:1

39

7. What is the missing number?

2 4 8 10

1:2

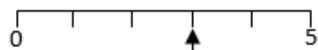
6

8. What number is one **less** than 24?

1:3

23

9. What number is labelled?



1:4

3

10. Write this number in words:

10

1:5

Ten

11. What symbol is missing?

7 3 = 4

1:6

-

12. What is the missing number?

10 - 7 =

1:7

3

13. $12 - 6 =$

1:8

6

14. Tom has 3 apples. Kim has 6 apples. How many apples altogether?

1:9

9

A: Number and Place Value		B: Fractions and Measure		C: Measure and Geometry	
1.1	39	1.11	1 part	1.16	a
1.2	6	1.12	$\frac{1}{4}$	1.17	c
1.3	23	1.13	Middle arrow	1.18	10 o'clock
1.4	3	1.14	8cm	1.19	a
1.5	Ten	1.15	12p	1.20	b
1.6	-				
1.7	3				
1.8	6				
1.9	9				
1.10	4				

1. What is the missing number?
43 42 41 40

2. What is the missing number?
2 4 8 10

3. What number is one **less** than 24?

4. What number is labelled?


5. Write this number in words:
10

6. What symbol is missing?
7 3 = 4

7. What is the missing number?
10 - 7 =

8. 12 - 6 =

9. Tom has 3 apples. Kim has 6 apples.
How many apples altogether?

10. 12 pens are shared by 3 children.
How many pens do they get each?

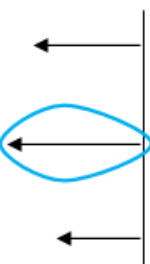
11. Shade **half** ($\frac{1}{2}$) of the shape.



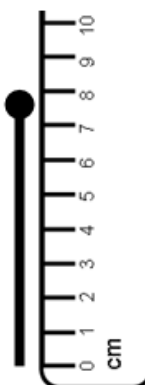
12. What fraction of sweets is circled?



13. Circle the **tallest** arrow.



14. How long is the matchstick?



15. How much altogether?



16. You have breakfast in the

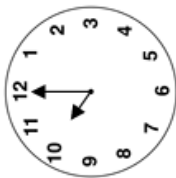
- a. morning
b. afternoon
c. evening.



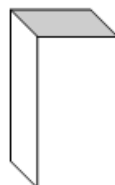
17. What month comes **after** March?

- a. February
b. May
c. April

18. What time does this clock show?



19. What is this shape?



- a. cuboid
b. pyramid
c. sphere

20. The teddy bear is:

- a. on the chair.
b. under the chair.
c. next to the chair.

