



Telling and drawing + and - stories

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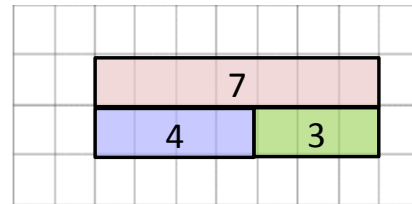
Overview

- Task 1 (warm up): Adding and subtracting fit together
- Task 2: Telling adding and subtracting stories
- Task 3: Classifying/labelling adding and subtracting stories
- Task 4: Drawing adding and subtracting pictures

Task 1: Whole-part-part number sentences

- Write down all the number sentences that you can using only:

- ☐ The numbers 7; 4; and 3,
- ☐ The signs: + or – ; and =



- How many can you find? Are you sure you have all of them?

Task 2: Telling adding and subtracting stories

- Tell a story of make up a word problem for each of these calculations:
 - ☐ $17 + 5 =$
 - ☐ $22 - 5 =$
- Write each problem clearly on a new piece of paper.

- Make up word problems for these number sentences:
 - $17 + \dots = 22$
 - $22 - \dots = 17$
- Now make up harder word problems using the same numbers.
- What is staying the same? What is changing?

Types of adding and subtracting word problems

- | | | |
|--|---|--|
| ■ Change increase | } | Dynamic -
video/movie /
animation |
| □ $\text{start} + \text{change} = \text{result}$ | | |
| ■ Change decrease | } | Static – still
photo |
| □ $\text{start} - \text{change} = \text{result}$ | | |
| ■ Collection | } | |
| □ $\text{whole} = \text{part} + \text{part}$ | | |
| ■ Compare | } | |
| □ $\text{whole} = \text{part} + \text{part}$ | | |

Task 3: Label these word problems

Word problem 1

- I have some pencils. My mother gives me 5 more pencils. Now I have 9 pencils. How many pencils did my mother give me?

Word problem 2

- I have 12 pencils. 3 are lead/black pencils and the rest are coloured pencils. How many coloured pencils do I have?

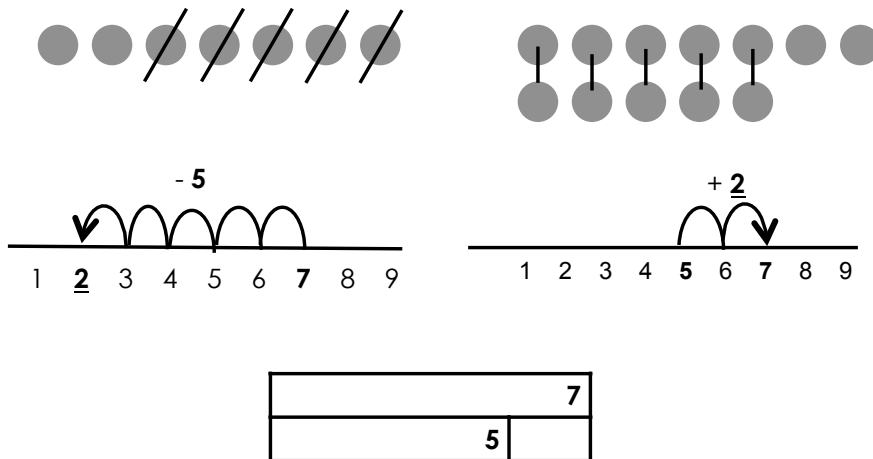
Word problem 3

- Andile has 10 pencils. Ayanda has 7 pencils. How many more pencils does Andile have than Ayanda?

Word problem 4

- Nosisa went to school with 10 pencils. She came home with 7 pencils. How many pencils did Nosisa lose?

Drawing + and - pictures



Task 4: Group your word problems and draw a picture for each one

- Change increase
- Change decrease
- Collection
- Compare



Thank you

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