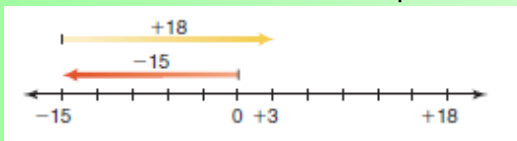


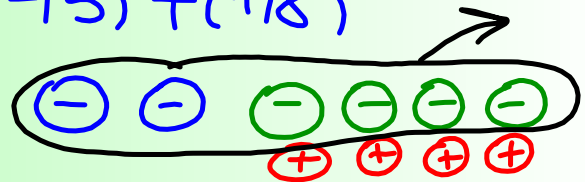
1) $(+3) - (+2) = +1$

2) What is the addition equation for the number line?

++



$(-15) + (+18)$



3) Model the subtraction equation: $(-2) - (-6)$

4) $(-2) + (+1) = -3$
 $= +4$

5) $54 \div 9 = 6$

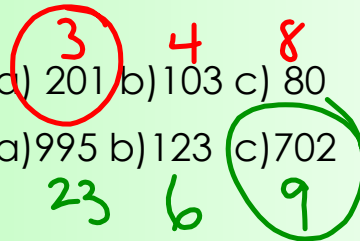
6) $20 \times 0.5 = 10$

7) $111 \times 2 = 222$

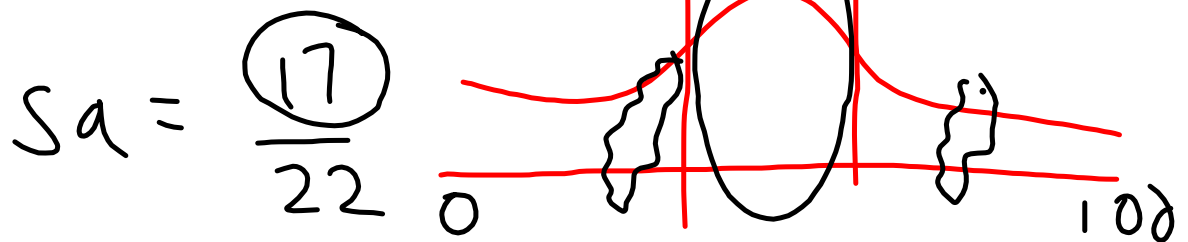
8) What number is divisible by 3? a) 201 b) 103 c) 80

9) What number is divisible by 6? a) 995 b) 123 c) 702

10) $1/3$ of 21 = 7



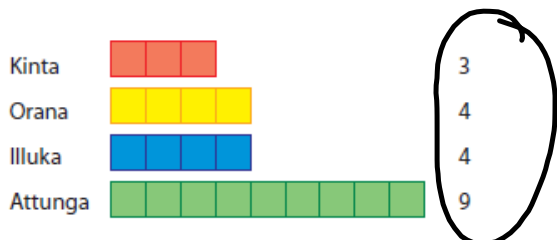
$$m_c = \frac{7}{10} \quad (+5040) \quad + \quad (+105)$$



$$\text{Total} = \frac{24}{32} = 24 \div 32 = \underline{\quad} \times 100$$

Reflect

What is the difference between mean and mode?
Create a set of data to explain.



The **mean** is a number that can represent the centre of a set of numbers.

$$\textcircled{20} \div 4 = \textcircled{5}$$

mean: + up the numbers
 ÷ by that # of numbers

Practice

1. Use linking cubes to find the mean of each set of data.
 a) 3, 4, 4, 5 b) 1, 7, 3, 3, 1 c) 2, 2, 6, 1, 3, 4

2. Calculate the mean of each set of data.
 a) 2, 4, 7, 4, 8, 9, 12, 4, 7, 3 b) 24, 34, 44, 31, 39, 32

3. Find the mode of each set of data in question 2.

a) 4, 7 b) none

4. Here are the weekly allowances for 10 Grade 7 students:

\$9, \$11, \$13, \$15, \$20, \$10, \$12, \$15, \$10, \$15

- a) What is the mean allowance?
 b) What is the mode allowance?
 c) Suppose two allowances of \$19 and \$25 are added to the list. What is the new mean? What happens to the mode?

5. Here are the ages of video renters at *Movies A Must* during one particular hour: 10, 26, 18, 34, 64, 18, 21, 32, 21, 54, 36, 16, 30, 18, 25, 69, 39, 24, 13, 22

- a) What is the mean age? The mode age?
 b) During another hour, the mode age of twelve video renters is 36. What might the ages of the renters be? Explain your answer.

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204 ÷ 6 = 34 | 1, 1, 3, 3, 7

÷ 5

mode: 1, 3



6. Jordin Tootoo is the first Inuk athlete to play in the National Hockey League. On October 9, 2003, he played his first game for the Nashville Predators. This table shows Jordin's statistics when he played junior hockey for the Brandon Wheat Kings.

Jordin Tootoo's Scoring Records 1999-2003				
Year	Games Played	Goals	Assists	Points
1999-2000	45	6	10	16
2000-2001	60	20	28	48
2001-2002	64	32	39	71
2002-2003	51	35	39	74



Find the mean and mode for each set of data.

- Games Played
- Goals
- Assists
- Points

7. **Assessment Focus** The graph shows the most popular sports of 13–15-year-olds in Wesley.

- a) Which sports are equally popular?
- b) How could you use the bar graph to find the mode? Explain and show your work.
- c) Calculate the mean. Use estimated values from the graph.

