Data Projector version of ...   **Book 3 (AH3a)**

40x Number Knowledge Worksheets

This resource supports the

Numeracy Professional Development Project

Stages 4 & 5

AWS

AWS Publications Lcd

Information about what is covered within this resource ...

Click on the worksheet number you require ...

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

The following activities are covered in worksheets 1 to 10:

- **Read** and **write** numbers while **skip counting** in **1's** to 100 and **2's** up to 36 in a **forward** or **backward** sequence.

  Example: 2, 4, 6, ___, 10, ___, 14, ___, 18, ___, 22, 24, ___, 28, ___etc.

- **Skip counting** in **1's** or **2's**, **write** the number that comes **after**, **before** or **between** the given numbers.

  Example: after 18, _____,   before _____, 20   between 14, _____, 18

- **Write** 5 numbers between 10 to 100 in **order** from **smallest** to **largest** or **largest** to **smallest**.

  Example: 61, 35, 78, 53, 29   (Note: Either odd numbers or even numbers are circled)

- **One of FOUR activities:**
  Counting by colouring in, counting groups of shapes, writing number words as numerals and writing numerals as number words.

- **Revising** the number combinations that add up to 10 and some combinations up to 18.

  Example: 3 + 1 = ___, 4 + ___ = 6 etc.
  (Note: Have a supply of objects to model each question.)

- **Adding** by **splitting numbers** into parts to make **5** or **10,** using known **doubles** or **groupings** of 10.

  Example: 6 + 3 = 5 + ___ = ___

  (Note: Subtract 1 from 6, then add 1 to 3. 6 + 3 = 5 + 4 = 9)

  Example: 8 + 7 + 12 = 20 + ___ = ___

  (Note: Add 8 to 12 = 20, then add 7. 20 + 7 = 27)

- Using the **'counting on' strategy,** the **addition** combinations **11** to **18** facts are introduced.

  Example: | 9 | + 🏀🏀 = _____ | 8 | + 🚗🚗 = _____

  Note: Have a supply of objects to model each question.

The following activities are covered in worksheets 11 to 20:

- **Read** and **write** numbers while **skip counting** in **2's**, **10's and 5's** in a **forward** or **backward** sequence.

  Example: 10, 20, 30, ___, 50, ___, 70, ___, 90, ___, 110, 120, ___, 140, ___etc.

- **Skip counting** in **2's**, **10's** and **5's write** the number that comes **after**, **before** or **between** the given numbers.

  Example: after 30, _____,   before _____, 70   between 90, _____, 110

- **Write** 5 numbers between 10 to 100 in **order** from **smallest** to **largest** or **largest** to **smallest**.

  Example: 61, 35, 78, 53, 29   (Note: Either odd numbers or even numbers are circled)

- **One of FOUR activities:**
  Counting by colouring in, counting groups of shapes, writing number words as numerals and writing numerals as number words.

- **Revising** the number combinations that add up to 18.

  Example: 8 + 5 = ___ , 7 + ___ = 16 etc.
  (Note: Have a supply of objects to model each question, if required.)

- **Adding** by **splitting numbers** into parts to make **5** or **10,** using known **doubles** or **groupings** of 10.

  Example: 6 + 3 = 5 + ___ = ___ (Note: Subtract 1 from 6, then add 1 to 3. 6 + 3 = 5 + 4 = 9)

  Example: 8 + 7 + 12 = 20 + ___ = ___ (Note: Add 8 to 12 = 20, then add 7. 20 + 7 = 27)

- Using **skip counting** in **2's, 5's** and **10's** to introduce the 2x, 5x and 10x **multiplication facts**.

  Example: *3 x 2 = ___ , 4 x 10 = ___ , 5 x 6 = ___*

  2 x ___ = 20,   10 x ___ = 60   5 x ___ = 25
  (Note: 2 x ? = 10 is the same as 10 ÷ 2 = ?)
  (Division will be introduced later in this book)

The following activities are covered in worksheets 21 to 30:

- **Read** and **write** numbers while **skip counting** in **2's**, **3's**, **5's and 10's** in a **forward** or **backward** sequence.

  Example: 3, 6, 9, ___, 15, ___, 21, ___, 27, ___, 33, 36, ___, 42, ___etc.

- **Skip counting** in **2's**, **3's**, **5's** and **10's write** the number that comes **after**, **before** or **between** the given numbers.

  Example: after 27, _____,   before _____, 24   between 15, _____, 21

- **One of TEN activities:**
  Writing number words as numerals, ordering decimal numbers, rounding numbers to the nearest 10, introducing place value using an abacus, working with simple fractions, splitting numbers to make 10, renaming numbers into 100's, 10's & 1's, rounding to find estimate answers, naming a digits place value and solving equations .

- **Revising** the number combinations that add up to 18.

  Example: 13 + 4 = ___, 7 + ___ = 14 etc.
  (Note: Have a supply of objects to model each question, if required.)

- **Adding** by **splitting numbers** into parts to make **10, groupings** of 10 or adding **10's** & **1's separately**.

  Example: 8 + 7 + 12 = 20 + 7 = 27
  (Note: Add 8 to 12 = 20, then add 7. 20 + 7 = 27)

  Example: 23 + 42 = 20 + 40 + 3 + 2 = 65
  (Note: Add 20 to 40 = 60, then add 3 to 2 = 5. 60 + 5 = 65)

- Using **skip counting** in **2's, 3's, 5's** and **10's** to revise the 2x, 5x and 10x and introduce the 3x **multiplication facts** and introduce the appropriate **division facts**.

  Example: 9 x 2 = ___, 7 x 10 = ___, 3 x ___ = 21   and   35 ÷ 5 = ___

The following activities are covered in worksheets 31 to 40:

- **Read** and **write** numbers while **skip counting** in **2's**, **3's**, **5's and 10's** in a **forward** or **backward** sequence.

  Example: 5, 10, 15, ___, 25, ___, 35, ___, 45, ___, 55, 60, ___, 70, ___etc.

- **Skip counting** in **2's**, **3's**, **5's** and **10's write** the number that comes **after**, **before** or **between** the given numbers.

  Example: after 15, _____,   before _____, 40   between 25, _____, 35

- **One of TEN activities:**
  Writing number words as numerals, ordering decimal numbers, rounding numbers to the nearest 10, introducing place value using an abacus, working with simple fractions, splitting numbers to make 10, renaming numbers into 100's, 10's & 1's, rounding to find estimate answers, naming a digits place value and solving equations.

- **Revising** the number combinations that add up to 18.

  Example: 8 + 6 = ___ , 14 + ___ = 16 etc.
  (Note: Have a supply of objects to model each question, if required.)

- **Adding** by **splitting numbers** into parts to make **10, groupings** of 10 or adding **10's** & **1's separately**.

  Example: 8 + 7 + 12 = 20 + 7 = 27
  (Note: Add 8 to 12 = 20, then add 7.   20 + 7 = 27)

  Example: 23 + 42 = 20 + 40 + 3 + 2 = 65

  (Note: Add 20 to 40 = 60, then add 3 to 2 = 5.   60 + 5 = 65)

- Using **skip counting** in **2's, 3's, 5's** and **10's** to revise the 2x, 3's, 5x and 10x **multiplication facts** and revise the appropriate **division facts**.

  Example: 7 x 2 = ___ , 9 x 10 = ___ , 5 x ___ = 50   and   24 ÷ 3 = ___

(1) **Write** in the missing numbers as you count in **1's** from **1** to **25**.

1, 2, ____, 4, 5, ____, 7, ____, ____,

10, ____, 12, 13, ____, 15, ____, ____,

18, 19, ____, 21, 22, ____, 24, 25

(2) **Write** the number that comes **after** ...

25, ____   6, ____   48, ____

(3) **Write** these numbers in order from **smallest** to **largest**. **Underline** the **odd** numbers.

____ , ____ , ____ , ____ , ____

35
21
12
53
20

(4) **Colour** in **14**

Add and **subtract** these numbers.

(5) 2 + 1 = ____   **(10)** 5 – 4 = ____

(6) 1 + 5 = ____   **(11)** 6 – 2 = ____

(7) 4 + 6 = ____   **(12)** 10 – 2 = ____

(8) 8 + 1 = ____   **(13)** 8 – 7 = ____

(9) 3 + 5 = ____   **(14)** 9 – 4 = ____

(15) 2 + 3 + 4 = _____ = ____

(16) 9 + 8 = _____ = ____

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

(17) 6 + [penguins] = ____

(18) 6 + [camels] = ____

(19) 8 + [fish] = ____

(20) 9 + [cattle] = ____
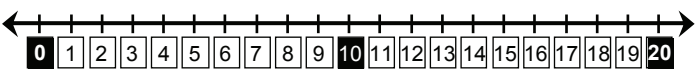
(1) Write in the missing numbers as you count in **1's** from **1** to **25**.

1, 2, **3**, 4, 5, **6**, 7, **8**, **9**,

10, **11**, 12, 13, **14**, 15, **16**, **17**,

18, 19, **20**, 21, 22, **23**, 24, 25

(2) Write the number that comes **after** ...

25, **26**   6, **7**   48, **49**

(3) Write these numbers in order from **smallest** to **largest**. **Underline** the **odd** numbers.

| 35 |
| 21 |
| 12 |
| 53 |
| 20 |

12 , **20** , **21** , **35** , **53**

(4) Colour in **14** ▨

Add and **subtract** these numbers.

(5) 2 + 1 = **3**   **(10)** 5 – 4 = **1**

(6) 1 + 5 = **6**   **(11)** 6 – 2 = **4**

(7) 4 + 6 = **10**   **(12)** 10 – 2 = **8**

(8) 8 + 1 = **9**   **(13)** 8 – 7 = **1**

(9) 3 + 5 = **8**   **(14)** 9 – 4 = **5**

(15) 2 + 3 + 4 =   **5 + 4**   = **9**

(16) 9 + 8 =   **10 + 7**   = **17**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
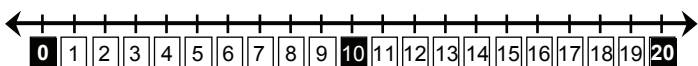
(17) 6 +   = **11**

(18) 6 +   = **12**

(19) 8 +   = **15**

(20) 9 +   = **12**

(1) **Write** in the missing numbers as you count in **1's** from **25** to **1**.

25, _____, 23, 22, _____, 20, _____,

_____, 17, 16, _____, 14, _____, _____, 11,

10, _____, 8, _____, 6, 5, _____, 3, 2, 1

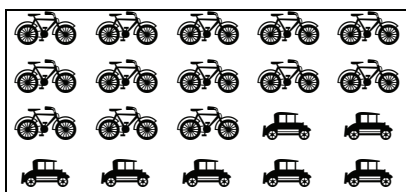**(2)** **Write** the number that comes **before** ...

_____ , 19   _____ , 38   _____ , 26

(3) **Write** these numbers in order from **smallest** to **largest**. **Underline** the **even** numbers.

| 30 |
| 54 |
| 13 |
| 45 |
| 31 |

_____ , _____ , _____ , _____ , _____

(4) **Count** the number of 🚲 and 🚗.

🚲 = _____

🚗 = _____

Add and **subtract** these numbers.

(5) 1 + 4 = _____   **(10)** 4 − 1 = _____

(6) 4 + 2 = _____   **(11)** 5 − 3 = _____

(7) 8 + 2 = _____   **(12)** 10 − 7 = _____

(8) 1 + 7 = _____   **(13)** 9 − 3 = _____

(9) 5 + 4 = _____   **(14)** 8 − 4 = _____

(15) 5 + 4 + 5 = _____ = _____

(16) 18 + 7 = _____ = _____

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
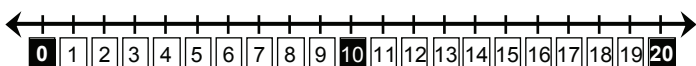
(17) 8 + [🧍🧍🧍🧍🧍] = _____

(18) 7 + [🍞🍞🍞🍞] = _____

(19) 8 + [🍦🍦🍦🍦🍦🍦🍦] = _____

(20) 7 + [🥛🥛🥛🥛🥛🥛] = _____

(1) **Write** in the missing numbers as you count in **1's** from **25** to **1**.

25, **24**, 23, 22, **21**, 20, **19**,

18, 17, 16, **15**, 14, **13**, **12**, 11, 10,

9, 8, **7**, 6, 5, **4**, 3, 2, 1

(2) **Write** the number that comes **before** ...

18 , 19   **37** , 38   **25** , 26

(3) **Write** these numbers in order from **smallest** to **largest**. **Underline** the **even** numbers.

| 30 |
| 54 |
| 13 |
| 45 |
| 31 |

13 , **30** , **31** , **45** , **54**

(4) **Count** the number of 🚲 and 🚗.

🚲 = **13**

🚗 = **7**

Add and **subtract** these numbers.

(5) 1 + 4 = **5**   **(10)** 4 – 1 = **3**

(6) 4 + 2 = **6**   **(11)** 5 – 3 = **2**

(7) 8 + 2 = **10**   **(12)** 10 – 7 = **3**

(8) 1 + 7 = **8**   **(13)** 9 – 3 = **6**

(9) 5 + 4 = **9**   **(14)** 8 – 4 = **4**

(15) 5 + 4 + 5 =   **10 + 4**   = **14**

(16) 18 + 7 =   **20 + 5**   = **25**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

(17) 8 +   = **13**

(18) 7 +   = **11**

(19) 8 +   = **15**

(20) 7 +   = **13**

(1) **Write** in the missing numbers as you count in **1's** from **25** to **50**.

25, ____, 27, ____, 29, 30, ____, 32, 33,

____, ____, 36, 37, ____, ____, 40, 41,

____, ____, 44, 45, 46, 47, ____, 49, 50

(2) **Write** the number that is **between** ...

17, ____ , 19   36, ____ , 38   24, ____ , 26

(3) **Write** these numbers in order from **smallest** to **largest**. **Underline** the **odd** numbers.

| 56 |
| 41 |
| 65 |
| 40 |
| 14 |

____ , ____ , ____ , ____ , ____

(4) **Write** these **number words** as **numerals**.

two ____   forty ____

fourteen ____   twelve ____

twenty ____   four ____

Add and **subtract** these numbers.

(5) 3 + 1 = ____   **(10)** 4 – 3 = ____

(6) 2 + 3 = ____   **(11)** 6 – 3 = ____

(7) 3 + 7 = ____   **(12)** 10 – 1 = ____

(8) 6 + 3 = ____   **(13)** 9 – 8 = ____

(9) 4 + 4 = ____   **(14)** 8 – 2 = ____

(15) 4 + 2 + 1 = _____ = ____

(16) 19 + 6 = _____ = ____

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
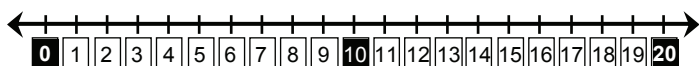
(17) 9 + [ ] = ____

(18) 8 + [ ] = ____

(19) 8 + [ ] = ____

(20) 7 + [ ] = ____

(1) **Write** in the missing numbers as you count in **1's** from **25** to **50**.

25, **26**, 27, **28**, 29, 30, **31**, 32, 33,

34, **35**, 36, 37, **38**, **39**, 40, 41,

42, **43**, 44, 45, 46, 47, **48**, 49, 50

(2) **Write** the number that is **between** ...

17, **18**, 19   36, **37**, 38,   24, **25**, 26

(3) **Write** these numbers in order from **smallest** to **largest**. **Underline** the **odd** numbers.

14, **40**, **41**, **56**, **65**

| 56 |
| 41 |
| 65 |
| 40 |
| 14 |

(4) **Write** these **number words** as **numerals**.

two	**2**	forty	**40**
fourteen	**14**	twelve	**12**
twenty	**20**	four	**4**

Add and **subtract** these numbers.

(5) 3 + 1 = **4**   **(10)** 4 – 3 = **1**

(6) 2 + 3 = **5**   **(11)** 6 – 3 = **3**

(7) 3 + 7 = **10**   **(12)** 10 – 1 = **9**

(8) 6 + 3 = **9**   **(13)** 9 – 8 = **1**

(9) 4 + 4 = **8**   **(14)** 8 – 2 = **6**

(15) 4 + 2 + 1 =   **5 + 2**   = **7**

(16) 19 + 6 =   **20 + 5**   = **25**
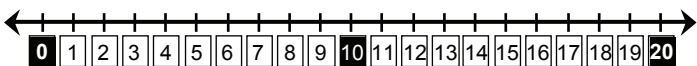
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

(17) 9 + [ ] = **13**

(18) 8 + [ ] = **11**

(19) 8 + [ ] = **14**

(20) 7 + [ ] = **12**

(1) **Write** in the missing numbers as you count in **1's** from **50** to **25**.

_____, 49, _____, 47, 46, _____, _____, 43,

42, _____, 40, 39, 38, _____, _____, 35, 34,

_____, 32, 31, 30, _____, 28, _____, 26, 25

(2) **Write** the number that comes **after** ...

31, _____   50, _____   73, _____

(3) **Write** these numbers in order from **smallest** to **largest**. **Underline** the **even** numbers.

| 51 |
| 76 |
| 50 |
| 15 |
| 67 |

_____ , _____ , _____ , _____ , _____

(4) **Write** these **numerals** as **number words**.

8 _____

15 _____

18 _____

20 _____

Number words
eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty

Add and **subtract** these numbers.

(5) 1 + 3 = _____   **(10)** 3 – 1 = _____

(6) 3 + 3 = _____   **(11)** 6 – 5 = _____

(7) 9 + 1 = _____   **(12)** 10 – 6 = _____

(8) 1 + 8 = _____   **(13)** 9 – 1 = _____

(9) 6 + 2 = _____   **(14)** 8 – 5 = _____

(15) 12 + 9 = _____ = _____

(16) 4 + 5 + 6 = _____ = _____

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

(17) 7 + [flamingos] = _____

(18) 8 + [fish] = _____

(19) 9 + [rams] = _____

(20) 9 + [cows] = _____
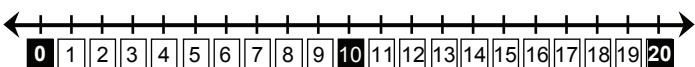
(1) **Write** in the missing numbers as you count in **1's** from **50** to **25**.

50, 49, **48**, 47, 46, **45**, **44**, 43, 42,

41, 40, 39, 38, **37**, **36**, 35, 34, **33**,

32, 31, 30, **29**, 28, **27**, 26, 25

(2) **Write** the number that comes **after** ...

31, **32**   50, **51**   73, **74**

(3) **Write** these numbers in order from **smallest** to **largest**. **Underline** the **even** numbers.

15 , **50** , **51** , **67** , **76**

51
76
50
15
67

(4) **Write** these **numerals** as **number words**.

8	eight
15	fifteen
18	eighteen
20	twenty

Number words
eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty

Add and **subtract** these numbers.

(5) 1 + 3 = **4**   **(10)** 3 – 1 = **2**

(6) 3 + 3 = **6**   **(11)** 6 – 5 = **1**

(7) 9 + 1 = **10**   **(12)** 10 – 6 = **4**

(8) 1 + 8 = **9**   **(13)** 9 – 1 = **8**
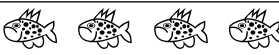
(9) 6 + 2 = **8**   **(14)** 8 – 5 = **3**

(15) 12 + 9 = **11 + 10** = **21**

(16) 4 + 5 + 6 = **10 + 5** = **15**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

(17) 7 + [flamingos] = **14**

(18) 8 + [fish] = **12**

(19) 9 + [goats] = **15**
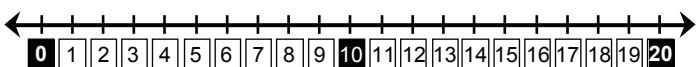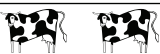
(20) 9 + [cows] = **11**

(1) **Write** in the missing numbers as you count in **1's** from **50** to **75**.

50, ____, 52, 53, ____, ____, 56, 57, 58,

____, ____, 61, 62, ____, 64, ____, 66,

____, 68, 69, ____, 71, 72, ____, 74, 75

(2) **Write** the number that comes **before** ...
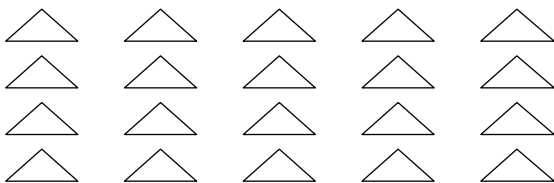
_____ , 45   _____ , 64   _____ , 87

(3) **Write** these numbers in order from **smallest** to **largest**. **Underline** the **odd** numbers.

27
61
72
16
60

____ , ____ , ____ , ____ , ____

(4) **Colour** in **13**

Add and **subtract** these numbers.

(5) 5 + 1 = _____   **(10)** 6 – 4 = _____

(6) 3 + 4 = _____   **(11)** 7 – 2 = _____

(7) 6 + 4 = _____   **(12)** 10 – 8 = _____

(8) 2 + 7 = _____   **(13)** 7 – 1 = _____

(9) 5 + 3 = _____   **(14)** 9 – 5 = _____

(15) 6 + 19 = _____ = _____

(16) 3 + 4 + 2 = _____ = _____

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
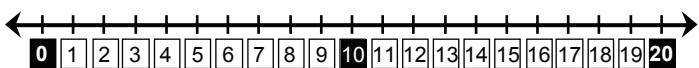
(17) 5 + [🍦🍦🍦🍦🍦🍦🍦🍦] = _____

(18) 9 + [🥧🥧🥧🥧🥧🥧🥧] = _____

(19) 6 + [🥧🥧🥧🥧🥧🥧🥧] = _____

(20) 7 + [🧁🧁🧁🧁🧁🧁🧁] = _____

(1) **Write** in the missing numbers as you count in **1's** from **50** to **75**.

50, **51**, 52, 53, **54**, **55**, 56, 57, 58,

59, **60**, 61, 62, **63**, 64, **65**, 66,

67, 68, 69, **70**, 71, 72, **73**, 74, 75

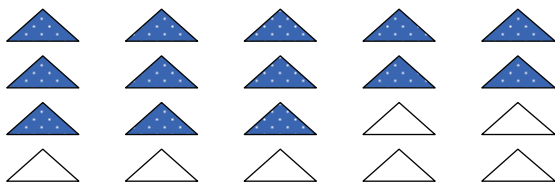**(2)** **Write** the number that comes **before** ...

44 , 45   **63** , 64   **86** , 87

(3) **Write** these numbers in order from **smallest** to **largest**. **Underline** the **odd** numbers.

27
61
72
16
60

16 , **27** , **60** , **61** , **72**

(4) **Colour** in **13**

Add and **subtract** these numbers.

(5) 5 + 1 = **6**   **(10)** 6 – 4 = **2**

(6) 3 + 4 = **7**   **(11)** 7 – 2 = **5**

(7) 6 + 4 = **10**   **(12)** 10 – 8 = **2**

(8) 2 + 7 = **9**   **(13)** 7 – 1 = **6**

(9) 5 + 3 = **8**   **(14)** 9 – 5 = **4**

(15) 6 + 19 =   **20 + 5**   = **25**

(16) 3 + 4 + 2 =   **5 + 4**   = **9**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

(17) 5 +   = **13**

(18) 9 +   = **16**

(19) 6 +   = **13**
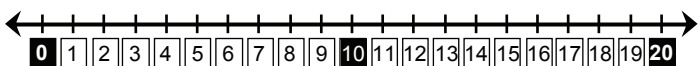
(20) 7 +   = **15**

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