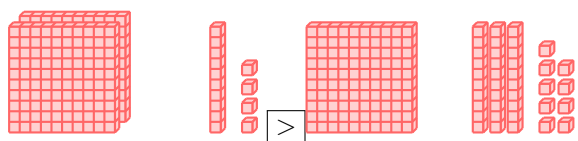


ORDERING NUMBERS

A DEFINITIONS

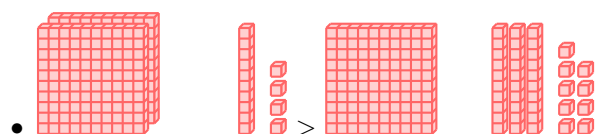
A.1 COMPARING NUMBERS OF CUBES

Ex 1:



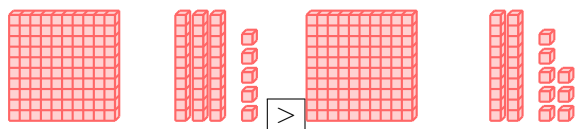
Answer:

- $>$ means *greater than*.
- $<$ means *less than*.
- $=$ means *equal to*.



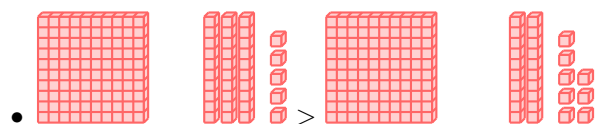
- $214 > 139$

Ex 2:



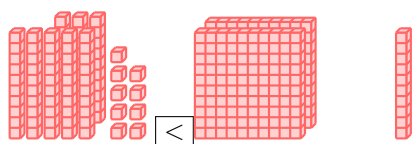
Answer:

- $>$ means *greater than*.
- $<$ means *less than*.
- $=$ means *equal to*.



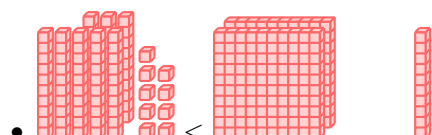
- $135 > 128$

Ex 3:



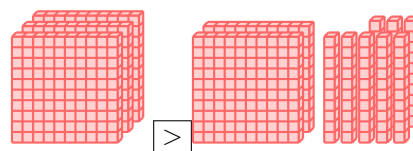
Answer:

- $>$ means *greater than*.
- $<$ means *less than*.
- $=$ means *equal to*.



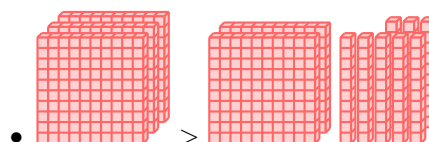
- $89 < 210$

Ex 4:



Answer:

- $>$ means *greater than*.
- $<$ means *less than*.
- $=$ means *equal to*.



- $300 > 280$

B HOW TO COMPARE 3-DIGIT NUMBERS

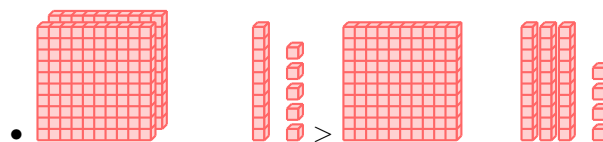
B.1 COMPARING NUMBERS

Ex 5:

$$215 \boxed{>} 134$$

Answer:

- Since 2 in the hundreds place of 215 is greater than 1 in the hundreds place of 134, 215 is greater than 134.



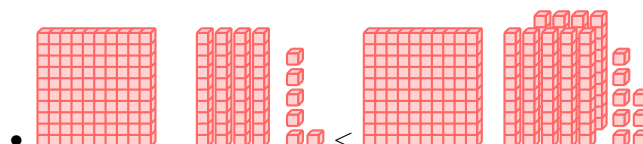
- $215 > 134$

Ex 6:

$$146 \boxed{<} 198$$

Answer:

- Since 1 in the hundreds place of 146 is less than 1 in the hundreds place of 198, 146 is less than 198.



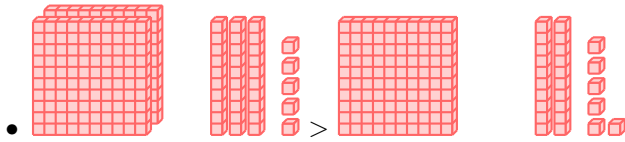
- $146 < 198$

Ex 7:

$$235 \boxed{>} 126$$

Answer:

- Since 2 in the hundreds place of 235 is greater than 1 in the hundreds place of 126, 235 is greater than 126.



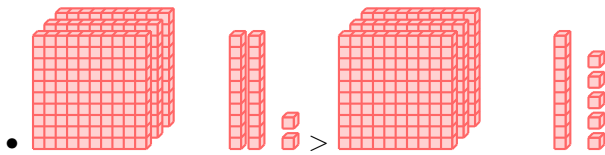
- $235 > 126$

Ex 8:

$$322 \boxed{>} 315$$

Answer:

- Since both numbers have 3 in the hundreds place, we look at the tens place. Since 2 in the tens place of 322 is greater than 1 in the tens place of 315, 322 is greater than 315.



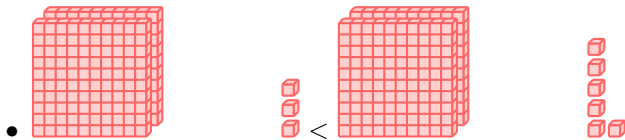
- $322 > 315$

Ex 9:

$$203 \boxed{<} 206$$

Answer:

- Since both numbers have the same digits in the hundreds and tens places, we compare the ones place. Since 3 in the ones place of 203 is less than 6 in the ones place of 206, 203 is less than 206.



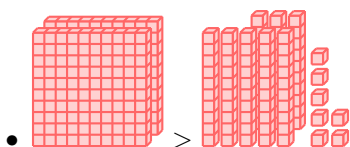
- $203 < 206$

Ex 10:

$$200 \boxed{>} 87$$

Answer:

- Since 2 in the hundreds place of 200 is greater than 0 in the hundreds place of 87, 200 is greater than 87.



- $200 > 87$

B.2 ORDERING NUMBERS

MCQ 11: Order the following numbers from least to greatest:

128, 75, 190, 36

Choose one answer:

- ☐ $128 < 75 < 190 < 36$
- ☒ $36 < 75 < 128 < 190$
- ☐ $75 < 128 < 36 < 190$
- ☐ $190 < 128 < 75 < 36$

Answer:

- 3 tens and 6 ones $<$ 7 tens and 5 ones $<$ 1 hundred and 2 tens and 8 ones $<$ 1 hundred and 9 tens
- $36 < 75 < 128 < 190$

MCQ 12: Order the following numbers from least to greatest:

255, 103, 210, 87

Choose one answer:

- ☐ $255 < 103 < 210 < 87$
- ☐ $87 < 210 < 255 < 103$
- ☒ $87 < 103 < 210 < 255$
- ☐ $210 < 255 < 87 < 103$

Answer:

- 8 tens and 7 ones $<$ 1 hundred and 3 ones $<$ 2 hundreds and 1 ten $<$ 2 hundreds and 5 tens and 5 ones
- $87 < 103 < 210 < 255$

MCQ 13: Order the following numbers from least to greatest:

324, 450, 299, 170

Choose one answer:

- ☐ $450 < 324 < 170 < 299$
- ☒ $170 < 299 < 324 < 450$
- ☐ $324 < 299 < 170 < 450$
- ☐ $299 < 170 < 450 < 324$

Answer:

- 1 hundred and 7 tens $<$ 2 hundreds and 9 tens and 9 ones $<$ 3 hundreds and 2 tens and 4 ones $<$ 4 hundreds and 5 tens
- $170 < 299 < 324 < 450$

MCQ 14: Order the following numbers from least to greatest:

504, 408, 301, 212

Choose one answer:

- ☐ $504 < 408 < 301 < 212$
- ☐ $301 < 408 < 212 < 504$
- ☐ $504 < 301 < 212 < 408$
- ☒ $212 < 301 < 408 < 504$

Answer:

- 2 hundreds and 1 ten and 2 ones $<$ 3 hundreds and 1 one $<$ 4 hundreds and 8 ones $<$ 5 hundreds and 4 ones
- $212 < 301 < 408 < 504$

B.3 COMPARING NUMBERS IN REAL-WORLD PROBLEMS

MCQ 15: Emma traveled approximately 516 kilometers on a road trip.

Her friend traveled approximately 440 kilometers.

Who traveled more kilometers?

- ☒ Emma
- ☐ Her friend
- ☐ They traveled the same number of kilometers.

Answer:

- 516 kilometers is greater than 440 kilometers.
- Since $516 > 440$, Emma traveled more kilometers than her friend.

MCQ 16: In a rallye lecture competition, Class A read 214 books.

Class B read 189 books.

Which class read more books?

- ☒ Class A
- ☐ Class B
- ☐ Both classes read the same number of books.

Answer:

- $214 = 2$ hundreds, 1 ten, and 4 ones.
- $189 = 1$ hundred, 8 tens, and 9 ones.
- Since $214 > 189$, Class A read more books than Class B.

MCQ 17: In a game, Jake scored 156 points.

Liam scored 182 points.

Who scored more points?

- ☐ Jake
- ☒ Liam
- ☐ They scored the same number of points.

Answer:

- $156 = 1$ hundred, 5 tens, and 6 ones.
- $182 = 1$ hundred, 8 tens, and 2 ones.

- Since $182 > 156$, Liam scored more points than Jake.

MCQ 18: Anna is 129 cm tall.

Her friend Leo is 124 cm tall.

Who is taller?

- ☒ Anna
- ☐ Leo
- ☐ They are the same height.

Answer:

- $129 \text{ cm} = 1$ hundred, 2 tens, and 9 ones.
- $124 \text{ cm} = 1$ hundred, 2 tens, and 4 ones.
- Since $129 > 124$, Anna is taller than Leo.