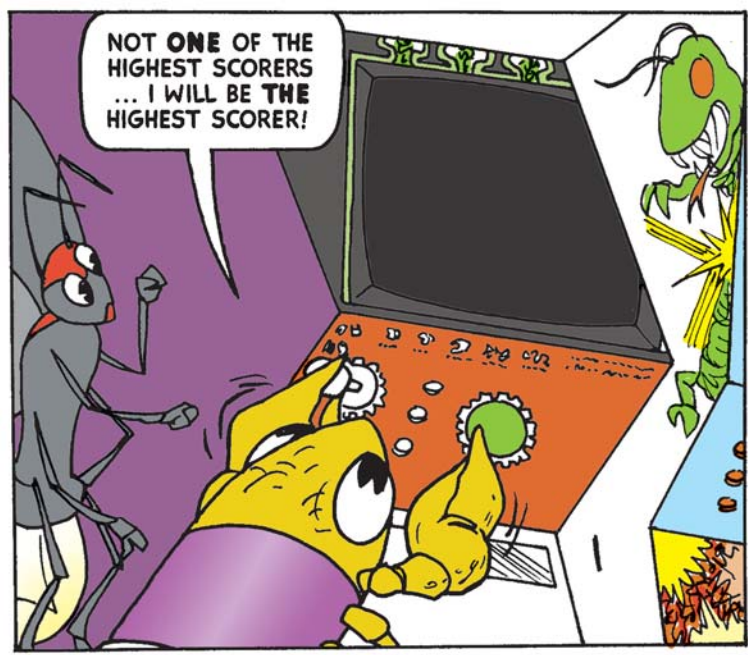
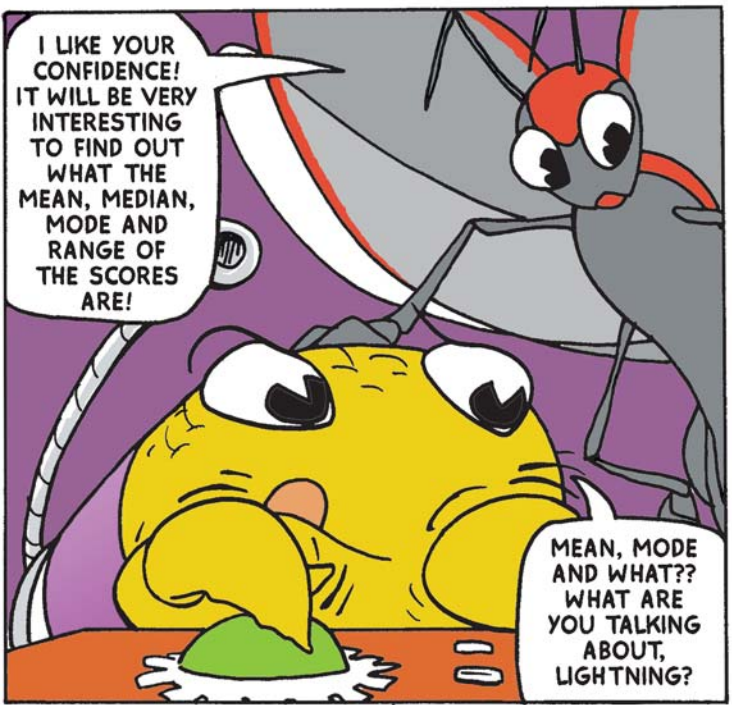


THANKS FOR BRINGING ME TO THE ARCADE, LIGHTNING! THIS IS AWESOME!

YOU'RE WELCOME, SCORPY! YOU'RE REALLY GOOD AT THIS GAME ... I BET YOU WILL BE ONE OF THE HIGHEST SCORERS!

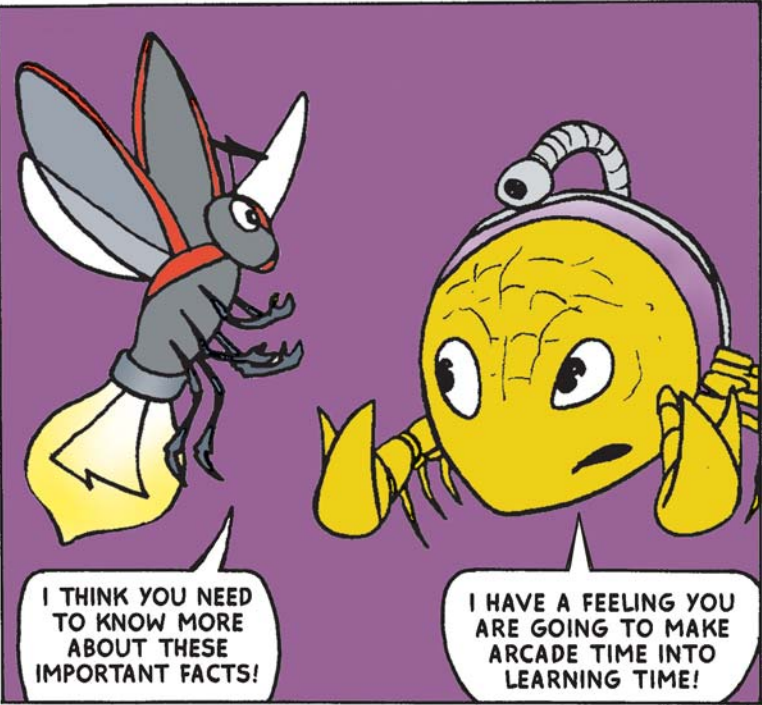


NOT ONE OF THE HIGHEST SCORERS ... I WILL BE THE HIGHEST SCORER!



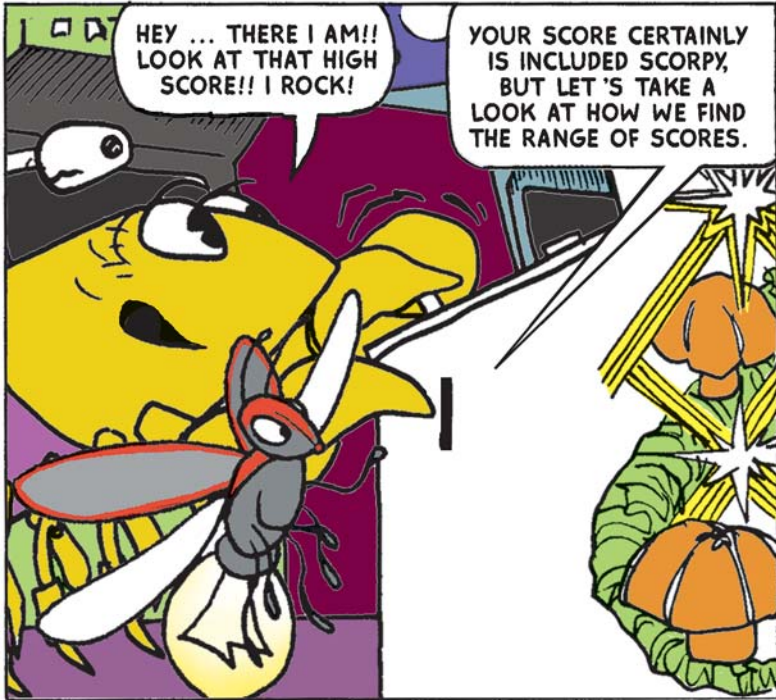
I LIKE YOUR CONFIDENCE! IT WILL BE VERY INTERESTING TO FIND OUT WHAT THE MEAN, MEDIAN, MODE AND RANGE OF THE SCORES ARE!

MEAN, MODE AND WHAT?? WHAT ARE YOU TALKING ABOUT, LIGHTNING?



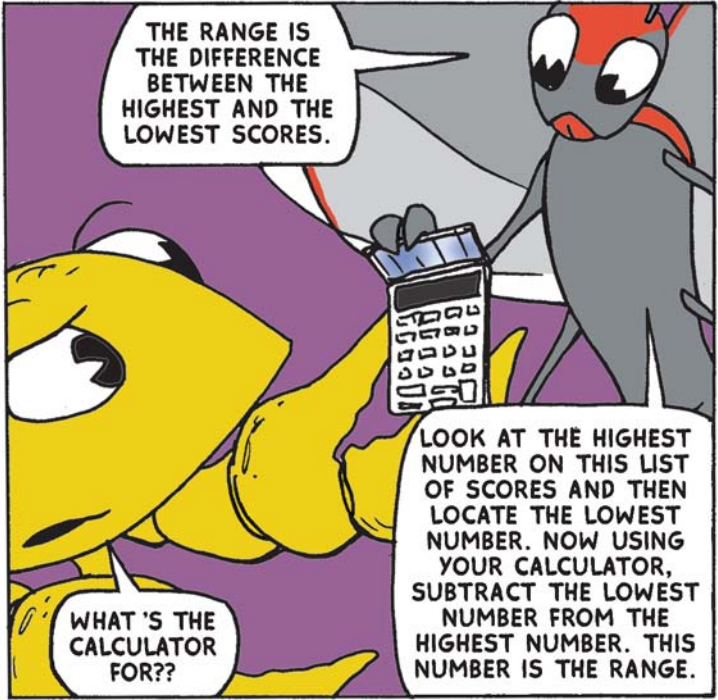
I THINK YOU NEED TO KNOW MORE ABOUT THESE IMPORTANT FACTS!

I HAVE A FEELING YOU ARE GOING TO MAKE ARCADE TIME INTO LEARNING TIME!



HEY ... THERE I AM!!
LOOK AT THAT HIGH
SCORE!! I ROCK!

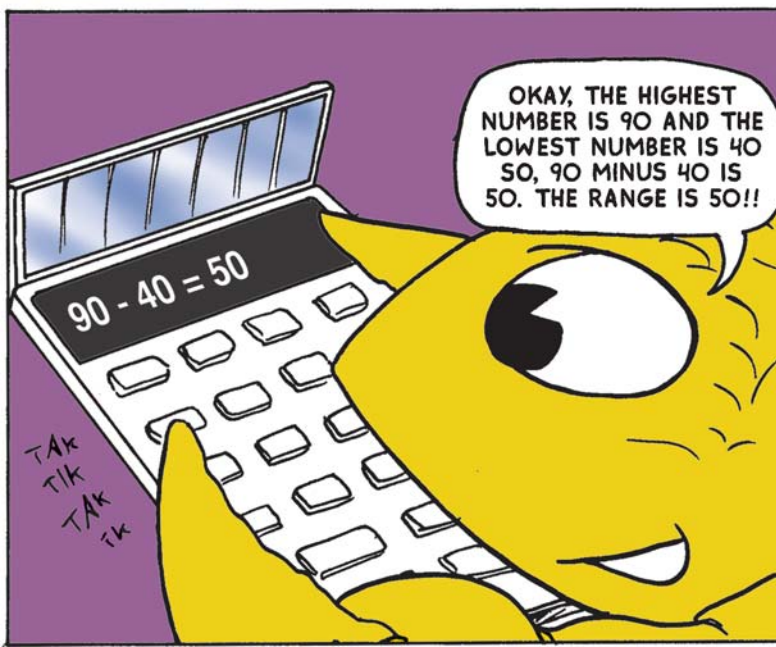
YOUR SCORE CERTAINLY
IS INCLUDED SCORPY,
BUT LET'S TAKE A
LOOK AT HOW WE FIND
THE RANGE OF SCORES.



THE RANGE IS
THE DIFFERENCE
BETWEEN THE
HIGHEST AND THE
LOWEST SCORES.

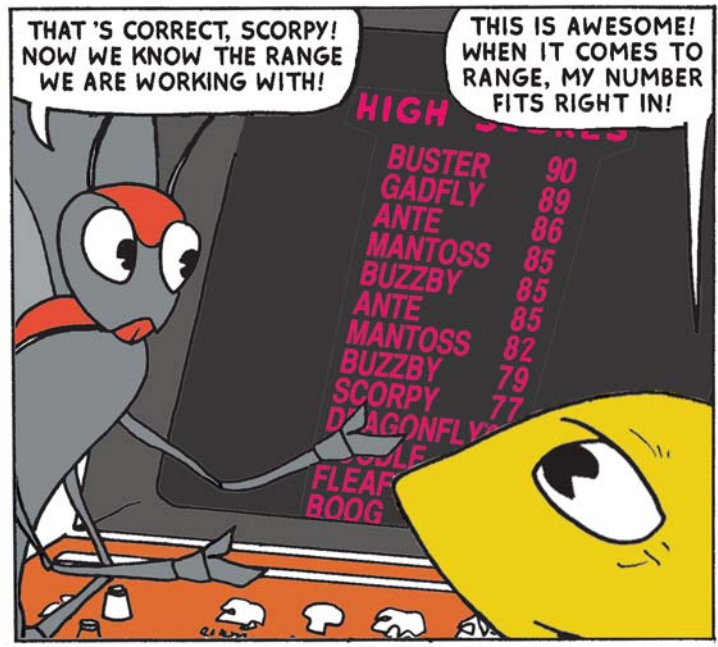
WHAT'S THE
CALCULATOR
FOR??

LOOK AT THE HIGHEST
NUMBER ON THIS LIST
OF SCORES AND THEN
LOCATE THE LOWEST
NUMBER. NOW USING
YOUR CALCULATOR,
SUBTRACT THE LOWEST
NUMBER FROM THE
HIGHEST NUMBER. THIS
NUMBER IS THE RANGE.



OKAY, THE HIGHEST
NUMBER IS 90 AND THE
LOWEST NUMBER IS 40
SO, 90 MINUS 40 IS
50. THE RANGE IS 50!!

TAK
TIK
TAK
TIK



THAT'S CORRECT, SCORPY!
NOW WE KNOW THE RANGE
WE ARE WORKING WITH!

THIS IS AWESOME!
WHEN IT COMES TO
RANGE, MY NUMBER
FITS RIGHT IN!

HIGH SCORES

BUSTER	90
GADFLY	89
ANTE	86
MANTOSS	85
BUZZBY	85
ANTE	85
MANTOSS	82
BUZZBY	79
SCORPY	77
D'AGONFLY	
BOOG	

NOW ARE WE GOING TO FIND OUT WHICH NUMBERS ARE MEAN? I THOUGHT NUMBERS WERE OUR FRIENDS!

NUMBERS ARE OUR FRIENDS, SCORPY! THE MEAN IS THE AVERAGE SCORE OF A LIST OF NUMBERS.

HIGH SCORES

BUSTER	90
GADFLY	89
ANTE	86
MANTOSS	85
BUZZBY	85
ANTE	85
MANTOSS	82
BUZZBY	79
SCORPY	77
DRAGONFLY	65
WEEBLE	61
FLEAFlickA	55
BOOG	54

TO FIND OUT THE MEAN OF THESE SCORES, WE MUST ADD UP THE WHOLE LIST.

THANK GOODNESS FOR THIS CALCULATOR! THIS IS TOO MUCH TO ADD UP WITHOUT SOME HELP!

THE SCORES ADD UP TO 1,126. THAT'S A BIG NUMBER!

NOW WE ADD UP THE TOTAL NUMBER OF PLAYERS THAT SCORED ON THIS GAME, WHICH IS 16. NOW DIVIDE YOUR TOTAL NUMBER BY 16. WHAT DO YOU GET?

WHEN I DIVIDE 1,126 BY 16 I GET THIS NUMBER!

$$\begin{array}{r} 70.375 \\ 16 \overline{) 1,126.000} \end{array}$$

70.375 IS THE MEAN OF ALL THE SCORES FROM THIS GAME! YOU ARE REALLY GOOD AT THIS! NOW THE NEXT STEP IS FIGURING OUT THE MEDIAN OF OUR SCORES!

TO FIND THE MEDIAN NUMBER IN OUR LIST OF SCORES, WE MUST LOOK FOR THE NUMBER THAT IS IN THE MIDDLE WHEN WE SORT OUR NUMBERS IN ORDER.

BUT 16 IS AN EVEN NUMBER! SO THERE REALLY IS NO MIDDLE NUMBER!

HIGH SCORES

BUSTER	90
GADFLY	89
ANTE	86
MANTOSS	85
BUZZBY	85
ANTE	85
MANTOSS	82
BUZZBY	79
SCORPY	77
DRAGONFLY	65
FLEAFLY	61
BOOG	60

THAT'S A VERY GOOD OBSERVATION, SCORPY! WE FIGURE OUT THE MEDIAN FIRST BY TAKING THE TWO SCORES THAT ARE IN THE MIDDLE, IN THIS CASE 77 AND 79, AND ADDING THEM TOGETHER!

HIGH SCORES

BUSTER	90
GADFLY	89
ANTE	86
MANTOSS	85
BUZZBY	85
ANTE	85
MANTOSS	82
BUZZBY	79
SCORPY	77
DRAGONFLY	65
DOODLE	61
FLEAFLY	60
BOOG	60

OKAY ... I CAN DO THAT WITHOUT A CALCULATOR!

77 PLUS 70 EQUALS 147!

THAT'S CORRECT, SCORPY! GOOD ADDING!

WE HAVE ALMOST FOUND THE MEDIAN. NOW TAKE YOUR NEW NUMBER AND DIVIDE IT BY THE TOTAL NUMBERS THAT WERE USED TO GET IT, IN THIS CASE TWO. SO, IF WE DIVIDE 147 BY 2 OUR ANSWER IS 73.5. THIS IS OUR MEDIAN!

$$\begin{array}{r}
 73.5 \\
 2 \overline{)147.0} \\
 \underline{-14} \quad \downarrow \\
 07 \quad \downarrow \\
 \underline{-6} \quad \downarrow \\
 10 \quad \downarrow \\
 \underline{-10} \\
 0
 \end{array}$$

THIS IS REALLY COOL! THESE NUMBERS SEEM TO BE FALLING INTO PLACE!

