
Answers To Investigation 2 Pearson Education Inc

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Answers | Investigation 2
c. 1,2,3,5,6,10,15,29,30,58, 87,145,174, 290,435 One way to find the factors is to test factors below 29 to identify factor pairs. We know that 29 30 870 so the middle factor pair is 29 30.
5. Answers will vary, but the following are examples of correct answers: a. 2 5 15 b. 4 10 25 c. 2 3 4 d. 2 3 11 6. a. 3,5,2 b. possible answer: 2,8,14 and 3,12,21

Answers | Investigation 2
Applications 1. a. Accept any line that approximates the data. Here is one possibility: 0 0 2468 Number of Layers Bridge-Thickness Experiment

Breaking Weight (pennies) 20
 $40 60 y \times yb. = 8.5x - 2.5.$
Students might come up with a simpler model with a y-intercept of 0, such as $y = 8x$ (because 0 thickness should suggest 0 breaking weight).
[Answers | Investigation 2 - 126 Math](#)

Answers will vary. Possible answers given. 1. 2. The Rocket Scientists answered a 50-point question correctly, a 150-point question correctly, a 100-point question incorrectly, a 150-point question incorrectly, and a 150-point question incorrectly.

Answers | Investigation 2
and 2 carrot sticks. 10 members; each member gets 2 cookies and 4 carrot sticks. 5 members; each member gets 4 cookies and 8 carrot sticks. 4 members; each member gets 5 cookies and 10 carrot sticks. 2 members; each member gets 10 cookies and 20 carrot sticks. 1

member; the member gets all 20 cookies and 40 carrot sticks. 29. Answers will vary. Sample: [The Morgan Variables and Patterns Practice Answers](#)

Answers | Investigation 2
Applications 1. a. It will take Allie 100 s or 1 min and 40 s. Since Allie ' s walking rate is 2 m/s, if she travels 200 m, it will take her $200, 2 = 100$ s. b. Grace will reach the fountain first. Since Grace is traveling at 1.5 m/s and she has to go 90 m, it will take Grace $90, 1.5 = 60$ s to reach the fountain,

Answers | Investigation 2
1. 1 unit² 2 units² 4 units². 2. Possible answer: 3. Possible answer: By subdividing the square along its diagonals, you get four triangles, each with an area of 1 2 unit. 2. Therefore, the square has an area of 2 units². Ask students to draw the square Note: above inside an upright square with an area

of 4 units².

Answers | Investigation 2

Answers | Investigation 2

Applications 1. Students may write the answers in fraction form.

(Note: Fraction forms are covered later.) Each person gets $\frac{1}{3}$ of the worm. The first picture below shows that this is $\frac{5}{15}$; the second shows that this is $\frac{12}{35}$, or $\frac{12}{3}$ segments. (See Figure 1 and Figure 2.) 2. Each person gets $\frac{1}{5}$. The first picture below

Answers | Investigation 1 - Corrales IS

Answers | Investigation 2

Glum and Tum are members.

Sum and c. Crum are

impostors. For Glum: Mouth lengths, nose lengths, d. and perimeters are 1.5 times as long as the corresponding lengths of Mug. The angles are the same. The areas are 2.25 times as large [since $1.5 * 1.5 = 2.25$ which is scale factor * scale factor = (scale factor)²].

The mouth height is

Answers | Investigation 2 - Corrales IS

Answers | Investigation 2.

Applications. 1. a. $I = 12n + 150$. Eb. $= 250 + 4.25n$. +c. 675; if you substitute 100 T-shirts into the income equation, you will get $12(100) + 150 = 1,350$ in income, and if you substitute 100 into the expense equation, you will get. $E = 250 + 4.25(100) = 675$.

Answers To Investigation 2 Pearson

Answers | Investigation 2 47.

a. Answers will vary. Possible answer: 2013 is 10 years after 2003. 2013 is 10 years before 2023. Answers will vary.

Possible answer: b. $2013 - 2003 = 10$; $2013 - 2023 = -10$

Answers will vary. Possible answer: c. Both are 10 years apart, both involve subtraction, and both have 2013 as the first number.

However, they have

Prime Time Practice Answers - West Linn

Answers | Investigation 2.

Applications. 1. The medium table; at the medium table, each person gets about $\frac{3}{7}$, or $\frac{43}{100}$, of a pizza. In other words, there are about 2.3 people per pizza. At the small table, each person gets only $\frac{4}{10}$, of a pizza. At the small table, there are 2.5 people per pizza.

A C E Answers | Investigation 2

Answers | Investigation 2 4.

large. The area of C is “ the square of 2, ” or 4 times as large. The factor for the perimeter is the same as the constant number multiplying the and the area relationship, the square of this number is taken. a. 1.5 4. b. Choose any number k greater than 1. The rule is (kx, ky) .

Answers | Investigation 2 greatest amount, 1.2 meters. d. It makes sense to connect the points because the depth is changing continuously. e. Possible answer: It is easier to use the table because you can read the exact values. 6.

Answers will vary. 7. Answers will vary. Skill: Tables and Graphs 1. 2. 3. About 66 F Investigation 2 Additional Practice 1. a. (Figure 1) b ...

Answers | Investigation 2

Answers | Investigation 2. The resulting equation will be d. linear since $ax + by = c$ and $dx + ey = f$ together imply that $(a + d)x + (b + e)y = c + f$. The resulting equation will pass through the intersection of $ax + by = c$ and $dx + ey = f$ if such an intersection exists.

Answers | Investigation 2

Answers | Investigation 2 1.5) = c. $(x + 1.5)(x - x^2 + 5 - 2.25)$ The pattern is multiplying the sum and difference of two numbers. The result is the difference of the squares of the two numbers.

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Answers | Investigation 1

Answers | Investigation 2 46. -22 47. -22 48. 8 49. -8 50. -4 51. 4 52. -5 53. 8 54. 50 55. a. $-4 - 2 = 200$, and $1.5 = 150$. b. $-4 - 2 = 200$, is the greatest. c. 60, is the least. 56. a. 2 in. b. 2 c. 1 2 d. They are reciprocals. 57. a. Story 1 goes with Graph A. The first part of the graph shows height increasing rapidly as the plane ascends. The ...

Answers | Investigation 2

Answers | Investigation 2 from the graph, so some inaccuracy is Note: To graph these equations on a graphing calculator, you could use the following window:

$X_{\min}=0$, $X_{\max}=100$, $Y_{\min}=0$,
and $Y_{\max}=350$ with the X and Y
scl=1 and Xres=1. 5. a. \$35 is the
initial charge for skating. \$4 is the
price per student to skate. b.

Wheels to Go; on the graph, you
A C E Answers | Investigation
2

Answers To Investigation 2
Pearson

Answers | Investigation 2 -
126 Math

Answers | Investigation 1. For
the first 5 km, this part of the
graph b. looks like

Leanne ' s—a horizontal line
that intersects the y-axis at 10
and is parallel to the x-axis.

After 5 km, it goes straight up
to the right at a constant rate
of $+1/\text{km}$, so it is slightly less
steep than Gilberto ' s graph,
which is $+2/\text{km}$.