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Grade 7, Term 1 Revision Sheets

Chapter 1: “Ratios and Proportional Reasoning”

Lesson 1: Rates

Find each unit rate. Round to the nearest hundredth if necessary.

a. AED 12.49 for 4 packages

b. 2,560 gallons in 30 days

c. 44 students for 2 classes

d. 15.6°F in 14 minutes

e. 175 Calories in 12 ounces

f. 152.5 miles in 5.5 hours

g. 949 vehicles on 9 acres

h. AED 920 for 40 hours

i. 13 apples for 2 pies

j. 51 gallons in 14 minutes

K. AED 8.43 for 3 pounds

L. 357 miles in 6.3 hours

Lesson 2: Complex Fractions and Unit Rates

Simplify.

1. $\frac{2}{\frac{1}{3}}$

2. $\frac{\frac{1}{4}}{\frac{6}{8}}$

3. $\frac{6}{\frac{1}{5}}$

4. $\frac{\frac{8}{9}}{8}$

5. $\frac{4}{\frac{11}{8}}$

6. $\frac{\frac{4}{5}}{\frac{2}{15}}$

7. $\frac{\frac{9}{10}}{6}$

8. $\frac{\frac{20}{8}}{15}$

9. $\frac{\frac{6}{7}}{\frac{9}{14}}$

10. $\frac{\frac{3}{8}}{\frac{7}{12}}$

Problem solving: -

- Saleh can jog $2\frac{3}{7}$ miles in $\frac{6}{11}$ hour. Find his average speed in miles per hour.
- A truck driver drove 160 miles in $1\frac{1}{4}$ hours. What is the speed of the truck in miles per hour?
- Sheikha reads $7\frac{1}{2}$ pages of a book in 12 minutes. What is her average reading rate in pages per minute?

Write each percent as a fraction in simplest form.

a. $40\frac{1}{2}\%$

b. $30\frac{1}{4}\%$

b. $75\frac{1}{3}\%$

Lesson 3: Convert Unit Rates

Complete. Round to the nearest tenth if necessary.

a. $660 \text{ ft/min} = \underline{\hspace{2cm}} \text{ ft/s}$

b. $64 \text{ mi/h} \approx \underline{\hspace{2cm}} \text{ ft/s}$

c. $32 \text{ gal/min} = \underline{\hspace{2cm}} \text{ qt/h}$

d. $815 \text{ gal/h} \approx \underline{\hspace{2cm}} \text{ qt/sec}$

e. $0.5 \text{ L/s} = \underline{\hspace{2cm}} \text{ mL/h}$

f. $6,000 \text{ lb/day} = \underline{\hspace{2cm}} \text{ T/wk}$

g. $3.4 \text{ mi/h} = \underline{\hspace{2cm}} \text{ ft/sec}$

h. $2 \text{ lb/wk} \approx \underline{\hspace{2cm}} \text{ oz/day}$

i. $5.6 \text{ lb/gal} = \underline{\hspace{2cm}} \text{ oz/gal}$

j. $44 \text{ mi/h} \approx \underline{\hspace{2cm}} \text{ yd/min}$

Problem Solving:

- Khalid jogs at a rate of 7.5 miles per hour. How many miles per minute does Khalid jog?

- Alonzo fills buckets at a rate of 6 gallons per minute. What is the rate in pints per hour?

Lesson 4: Proportional and Non-Proportional Relationships

For Exercises 1–3, use the table of values. Write the ratios in the table to show the relationship between each set of values.

1.

Number of Hours	1	2	3	4
Total Amount Earned (AED)	15	30	45	60
Ratios				

2.

Number of Packages	1	2	3	4
Total Cost (AED)	11	20	29	38
Ratios				

3.

Number of Classrooms	1	2	3	4
Total Students	24	48	72	92
Ratios				

For Exercises 4–8 use the table of values. Write *proportional* or *non-proportional*.

4.

Number of Hours	1	2	3	4
Total Amount Earned (AED)	0.99	1.98	2.97	3.96

5.

Number of Hours	1	2	3	4
Total Amount Earned (AED)	17.25	35.50	50.75	70

6.

Number of Hours	1	2	3	4
Number of Pages Read in Book	37	73	109	145

7.

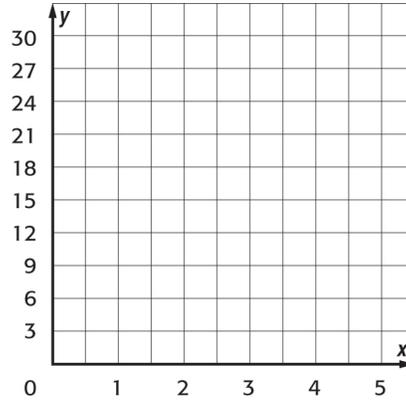
Number of Lunches	1	2	3	4
Total Cost (AED)	2.75	5.50	8.25	11

Lesson 5: Graph Proportional Relationships

Determine whether the relationship between the two quantities shown in each table are proportional by graphing on the coordinate plane.

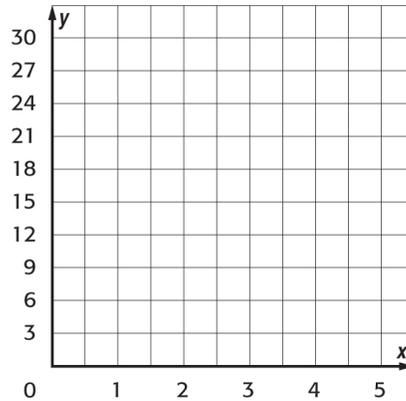
A.

Gallons of Gas Used Per Hour	
Number of Hours	Gallons of Gas
3	15
4	20
5	25



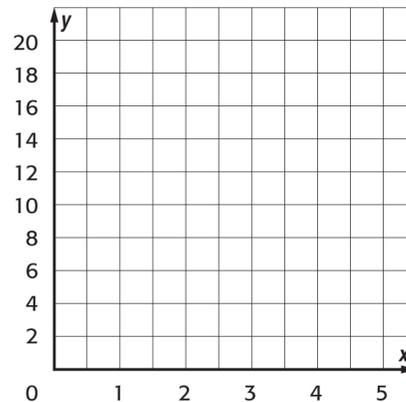
B.

Volume of a Cube	
Side Length (ft)	Volume (ft ³)
1	1
2	8
3	27



C.

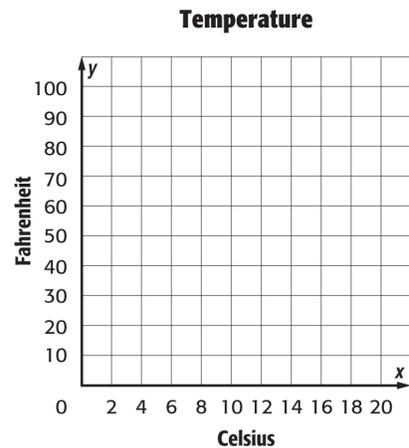
DVD Rental	
Number of DVDs	Cost (AED)
1	7
2	9
3	11



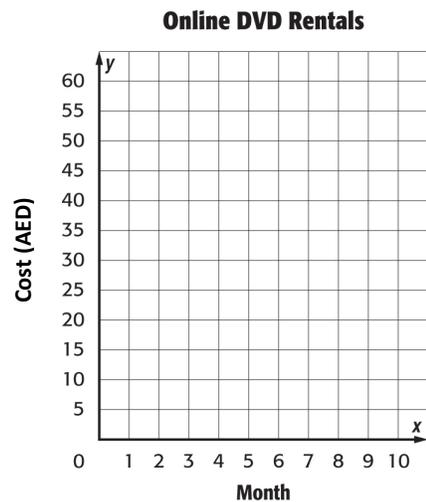
Determine whether the relationship between the two quantities shown in each table are proportional by graphing on the coordinate plane. Explain your reasoning.

A.

Temperature (Degrees)	
Celsius	Fahrenheit
0	32
5	41
10	50
15	59
20	68

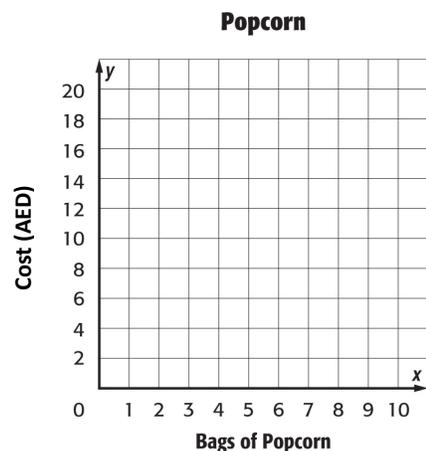


B. An online DVD rental company charges AED 15 a month for unlimited rentals. Determine whether the total paid after each month is proportional to number of months by graphing on the coordinate plane. Explain your reasoning.



C.

Popcorn	
Bags of Popcorn	Cost (AED)
0	0
1	4
2	8
3	12
4	16



Lesson 6: Solve Proportional Relationships

Solve each proportion.

a. $\frac{11}{10} = \frac{n}{14}$

b. $\frac{18}{x} = \frac{6}{10}$

c. $\frac{b}{5} = \frac{8}{16}$

d. $\frac{t}{6} = \frac{30}{36}$

f. $\frac{0.45}{4.2} = \frac{p}{14}$

g. $\frac{2.5}{35} = \frac{2}{d}$

h. $\frac{3.5}{18} = \frac{z}{36}$

i. $\frac{2.4}{6} = \frac{2.8}{s}$

g. $\frac{3.6}{k} = \frac{0.2}{0.5}$

k. $\frac{9}{13}, \frac{13}{17}$

Assume all situations are proportional.

- An assembly line worker at Rob's Bicycle factory adds a seat to a bicycle at a rate of 2 seats in 11 minutes. Write a proportion relating the number of seats s to the number of minutes m . At this rate, how long will it take to add 16 seats? 19 seats

- For every girl taking classes at the martial arts school, there are 3 boys who are taking classes at the school. If there are 236 students taking classes, write and solve a proportion to predict the number of boys taking classes at the school.

- Fahd is painting a fence that is 26 feet long and 7 feet tall. A gallon of paint will cover 350 square feet. Write and solve a proportion to determine how many gallons of paint Fahd will need.

Lesson 7: Constant Rate of Change

Find the constant rate of change for each table.

A.

Number of Trees	Number of Apples
5	100
10	200
15	300
20	400

B.

Number of Students	Number of Magazines Sold
10	100
15	150
20	200
25	250

C.

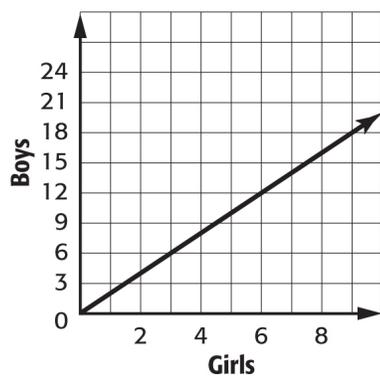
Time	Temperature (°F)
9:00	60
10:00	62
11:00	64
12:00	66

D.

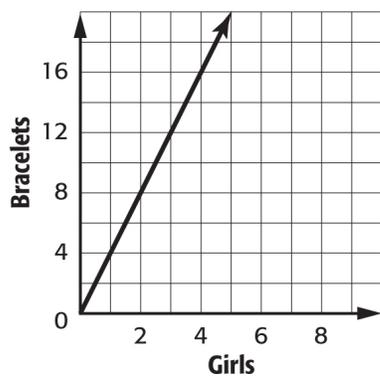
Time Spent Mowing (h)	Money Earned (AED)
1	10
3	30
5	50
7	70

Find the constant rate of change for each graph.

A. Students in Mr. Muni's Class:



B. Jewelry Making

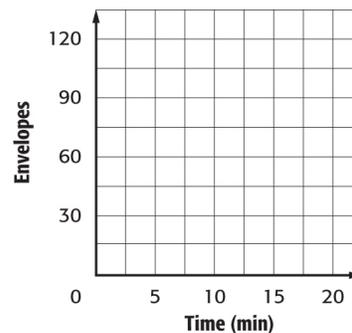


Lesson 8: Slope

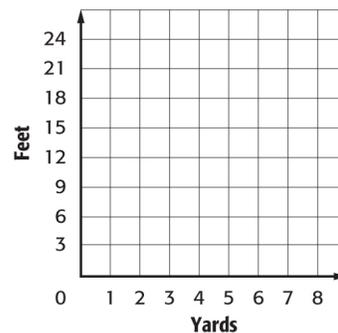
Graph the data. Then find the slope. Explain what the slope represents.

- The table shows the number of envelopes stuffed for various times.

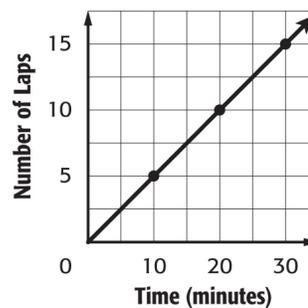
Time (min)	5	10	15	20
Envelopes Stuffed	30	60	90	120



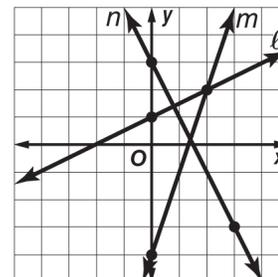
- There are 3 feet for every yard.



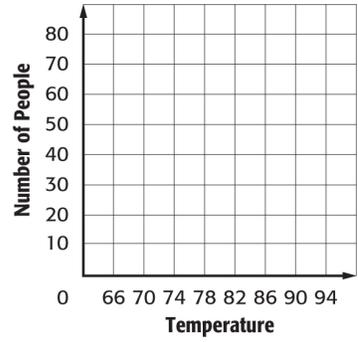
- Use the graph that shows the number of laps completed over time. Find the slope of the line.



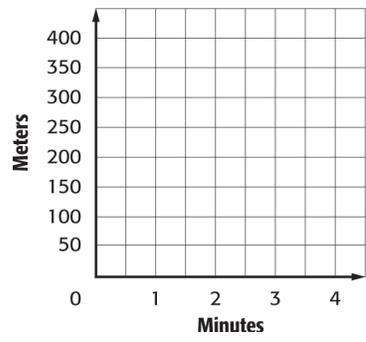
- Which line is the steepest? Explain using the slopes of lines ℓ , m , and n .



- | | | | | |
|----------------------------------|----|----|----|----|
| Temperature (°F) | 70 | 78 | 86 | 94 |
| Number of People on Beach | 24 | 40 | 56 | 72 |



- Latonya swims 50 meters in $\frac{1}{2}$ minute.



Lesson 9: Direct Variation

Determine whether each linear function is a direct variation. If so, state the constant of proportionality.

A.

Speed, x	25	30	35	40
Distance, y	100	120	140	160

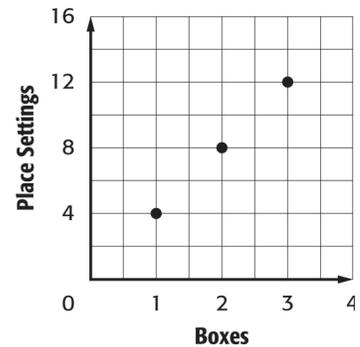
B.

Price, x	AED 5	AED 8	AED 11	AED 14
Tax, y	AED 0.50	AED 0.80	AED 1.10	AED 1.40

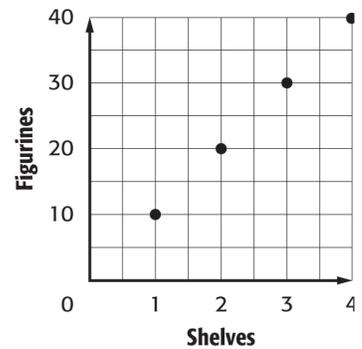
C.

Seconds, x	15	30	45	60
Number of Sit-ups, y	5	10	15	20

D. The number of place settings of dishes varies directly with the number of boxes. How many place settings are in each box?



E. Majid is arranging figurines on shelves. The number of figurines varies directly with the number of shelves. What is the constant of proportionality?



F. Huda paid AED 6.70 for 5 cans of cat food and AED 10.72 for 8 cans of cat food. How much did 1 can of cat food cost?

G. You need 2 yards of fabric to cover 3 pillows and 6 yards to cover 9 pillows. How much fabric do you need to cover 15 pillows?

Chapter 2: Percents

Lesson 1: Percent of a Number

Find each number. Round to the nearest hundredth if necessary.

1. 55% of 140
2. 40% of 123
3. 37% of AED 150
4. 25% of 96
5. 11% of AED 333
6. 99% of 14
7. 140% of 30
8. 165% of 10
9. 150% of 150
10. 225% of 16
11. 106% of AED 40
12. 126% of 35
13. 4.1% of 30
14. 45% of 156 is what number?
15. What is 12% of 12?

Lesson 2: Percent and Estimation

Estimate by using fractions.

- a. 51% of 128
- b. 76% of 200
- c. 32.9% of 90
- d. 23% of 8
- f. 19% of 45
- g. 81% of 1

Estimate by using 10%.

- a. 12% of 98
- b. 89% of 300
- c. 31% of 80
- d. 28% of 49
- e. 62% of 13
- g. 77% of 28

Estimate.

- a. 308% of 500
- b. 0.5% of 87

Lesson 3: The Percent Proportion

Find each number. Round to the nearest tenth if necessary.

1. What percent of 65 is 13?
2. AED 4 is what percent of AED 50?
3. What number is 35% of 22?
4. 14% of 81 is what number?
5. 13 is 26% of what number?
6. 55 is 40% of what number?
7. What percent of 45 is 72?
8. 1% of what number is 7?
9. 33 is 50% of what number?
10. What number is 3% of 100?
11. What percent of 200 is 0.5
12. What number is 0.4% of 20?

Lesson 4: The Percent Equation

Write an equation for each problem. Then solve. Round to the nearest tenth if necessary.

1. What number is 27% of 52?
2. Find 41% of 48.
3. What percent of 88 is 33?
4. 8 is what percent of 18?
5. What number is 33% of 360?
6. What percent of 62 is 58?
7. 55 is what percent of 100?
8. 22% of what number is 24.2?
9. 19 is 50% of what number?
10. 25 is 32% of what number?

Problem solving:

- A baseball player was at bat 473 times during the regular season. If he made a hit 31.5% of the times he was at bat, how many hits did he make during the regular season? Round to the nearest whole number if necessary.

Lesson 5: Percent of Change

Find each percent of change. Round to the nearest whole percent if necessary. State whether the percent of change is an *increase* or *decrease*.

1. 8 feet to 10 feet
2. 136 days to 85 days
3. AED 0.32 to AED 0.37
4. 62 trees to 31 trees
5. 51 meters to 68 meters
6. 16.5 grams to 24.8 grams
7. 0.55 minute to 0.1 minute
8. AED 180 to AED 210
9. 2.9 months to 4.9 months
10. 0.5 to 0.75
11. 0.1 to 0.2
12. 1.5 to 0.375

Problem solving:

Find each percent of change. Round to the nearest whole percent if necessary. State whether the percent of change is an *increase* or *decrease*.

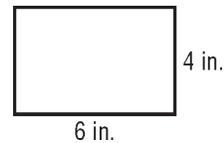
- Recent developments in surgical procedures change the average healing time for some operations from 8 weeks to 3 weeks.

- The city added an extra lane in each direction to the 5-lane road.

- Refer to the rectangle shown. Suppose the width of 4 inches is decreased by 3 inches.

a. Find the percent of change in the perimeter.

b. Find the percent of change in the area.



Lesson 6: Sales Tax, Tips, and Markup

Find the total cost to the nearest cent.

1. AED 18.00 breakfast; 7% tax
2. AED 14 meal; 20% tip
3. AED 24 lunch; 15% tip
4. AED 8.50 shorts; 6.5% markup
5. AED 75 dinner; 18% tip
6. AED 74.95 jacket; 5% tax
7. AED185 DVD player; 6% markup
8. AED 85 jeans; 7% tax
9. AED 20 haircut; 10% tip
10. AED 7.95 lunch; 15% tip

Problem solving:

- A) Jassim took his family out for dinner. He planned to leave a 15% gratuity on the bill. What is the total cost if the bill was AED 123.50?
- B) What is the sales tax on a AED 17,500 truck if the tax rate is 6%?
- C) Mohamed is buying a computer that normally sells for AED 890. The state sales tax rate is 6%. What is the total cost of the computer including sales tax?

Lesson 7: Discount

Find the sale price to the nearest cent.

1. AED 89.95 DVD player; 5% discount
2. AED 75 dress shirt; 20% discount
3. AED 14 socks; 15% discount
4. AED 2.99 toy; 30% discount
5. AED140 coat; 10% discount
6. AED 65 dress pants; 20% discount
7. AED 325 tent; 15% discount
8. AED 80 boots; 25% discount
9. AED 45.50 book; 30% discount
10. AED 52 tie; 50% discount

Problem solving:

- A) A radio is on sale for AED 50. If this price represents a 10% discount from the original price, what is the original price to the nearest nickel?
- B) A box of laundry detergent is on sale for AED 6.50. If this price represents a 40% discount from the original price, what is the original price to the nearest cent?
- C) Find the price of a AED 35 basketball that is on sale for 50% off the regular price.

Lesson 8: Financial Literacy (simple interest)

Find the simple interest earned to the nearest cent for each principal, interest rate, and time.

- a. AED 750, 7%, 3 years
- b. AED 1,200, 3.5%, 2 years
- c. AED 450, 5%, 4 months

- d. AED 1,000, 2%, 9 months
- e. AED 530, 6%, 1 year
- f. AED 600, 8%, 1 month

Find the simple interest paid to the nearest cent for each loan, interest rate, and time.

- a. AED 668, 5%, 2 years
- b. AED 720, 4.25%, 3 months
- c. AED 2,500, 6.9%, 6 months
- d. AED 500, 12%, 18 months
- e. AED 300, 9%, 3 years
- f. AED 2,000, 20%, 1 year

Problem Solving

A) Rita charged AED 126 for a DVD player at an interest rate of 15.9%. How much will Rita have to pay after 2 months if she makes no payments?

B) The average cost for a vacation is AED 1,050. If a family borrows money for the vacation at an interest rate of 11.9% for 6 months, what is the total cost of the vacation including the interest on the loan?

Chapter 3: “Integers”

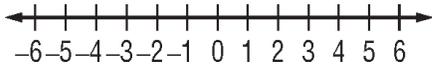
Lesson 1: Integers and Absolute Value

1. Write an integer for each situation.

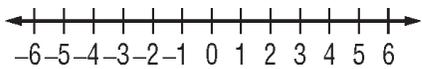
- a) a profit of AED 90
- b) 24 meters below sea level
- c) 10°C below zero
- d) a gain of AED 69

2. Graph each set of integers on a number line.

- a) $\{-4, 0, 4\}$



- b) $\{-5, -1, 1, 6\}$



3. Evaluate each expression.

- a) $|-8|$
- b) $|-3| + 5$
- c) $|9| - |-9|$
- d) $|-14| \div 2 \times |-3|$

Lesson 2: Add Integers

1. Add.

a) $-13 + 42$

b) $-21 + 30$

c) $-24 + (-16)$

d) $7 + (-43)$

e) $12 + (-12) + 9$

f) $-34 + (-10) + 25$

2. Write an addition expression to describe each situation. Then find each sum and explain its meaning.

a) Salama gained 2 kilograms. She then started a diet and lost 10 kilograms of her weight.

b) At 4:00 A.M., the outside temperature was -8°C . By 4:00 P.M. that same day, it rose 4 degrees.

c) Saif owes his mom AED 75. He borrows another AED 50 from her.

Lesson 3: Subtract Integers

1. Subtract.

a) $24 - 16$

b) $-7 - 3$

c) $3 - (-4)$

d) $-1 - (-10)$

e) $-40 - 20$

f) $33 - 73$

2. Evaluate each expression if $x = -2$, $y = 3$, and $z = -9$.

a) $z - y$

b) $x - y$

c) $y - (-z)$

d) $|x - z|$

e) $x - y - z$

3. The highest and lowest recorded temperatures for a city in a year are 33°C and -2°C . Find the difference in these extreme temperatures.

4. The table lists the scores of 4 players in a game.

Player	Salem	Ahmed	Sultan	Fahe
Score	-6	-5	+6	+7

a) Find the difference between Sultan's score and Ahmed's score.

b) Find the difference between Fahed's score and Salem's score.

c) Find the difference between Ahmed's score and Salem's score.

Lesson 4: Multiply Integers

1. Multiply.

a) $5(-6)$

b) $-12(7)$

c) $6(-15)$

d) $-7(-3)$

e) $(-13)(-13)$

f) $-15(0)$

g) $(-2)^3$

h) $(-3)^2$

i) $-7(2)(5)$

j) $(-3)(2)(-3)$

k) $-2(-5)^3$

2. Simplify.

a) $-2(3) - (-5)$

b) $(4)^2 - 2(-3)(-2)$

3. Find the product of -30 and -15 .

4. Hiking up a mountain, you notice that the air temperature drops 5°C for every 500 meters increase in elevation. Write a multiplication expression to represent the decrease in temperature if you hike up the mountain 1,000 meters. Then evaluate the expression and explain its meaning.

Lesson 5: Divide Integers

1. Divide.

a) $64 \div (-8)$

b) $54 \div (-5)$

c) $-27 \div 3$

d) $-24 \div (-8)$

e) $-52 \div (-13)$

f) $\frac{-84}{12}$

g) $\frac{-18}{-3}$

2. Find the quotient of -45 and -15 .

3. Evaluate each expression if $f = -24$, $g = 3$, and $h = -4$.

a) $f \div h$

b) $f \div gh$

c) $\frac{h+f}{g+1}$

4. The table below shows the weight in kilograms of some cats in a Zoo. What is the mean weight of these cats?

Cat	Cheetah	Cougar	Lion	Tiger
Weight	65	100	250	350

Chapter 4: "Rational Numbers"

Lesson 1: Terminating and Repeating Decimals

1. Write each fraction or mixed number as a decimal. Use bar notation if the decimal is a repeating decimal.

a) $\frac{3}{8}$

b) $\frac{1}{9}$

c) $-\frac{13}{20}$

d) $-\frac{2}{7}$

e) $\frac{63}{12}$

f) $\frac{9}{32}$

2. Write each decimal as a fraction or mixed number in simplest form.

a) 0.24

b) -0.13

c) -2.75

d) 3.16

3. The length of a yard is 2.43 kilometers. What mixed number represents this length?

4. Saif completed a marathon race in 3 hours and 12 minutes. Write Saif's running time as a decimal.

Lesson 2: Compare and Order Rational Number

1. Compare. Use $>$, $<$, or $=$

a) $\frac{1}{6}$ \bullet $\frac{1}{3}$

b) $\frac{5}{12}$ \bullet $\frac{7}{18}$

c) $-\frac{3}{10}$ \bullet $-\frac{3}{12}$

d) $-\frac{2}{5}$ \bullet $-\frac{3}{12}$

e) $2\frac{17}{20}$ \bullet $2\frac{1}{5}$

f) $-3\frac{1}{6}$ \bullet $-3\frac{1}{9}$

2. Order from least to greatest.

$$\frac{3}{4}, \frac{2}{3}, 0.82$$

3. Order from greatest to least.

$$2\frac{7}{8}, 2.98, 2.4$$

4. To get to school, $\frac{35}{50}$ of the students ride in the family vehicle, 1 out of 12 students ride on the school bus, and 0.15 of the students ride a bike. Order the types of transportation students use to get to school from least to greatest.

Lesson 3: Add and Subtract Like Fractions

1. Add or subtract. Write in simplest form.

a) $\frac{2}{7} + \frac{5}{7}$

b) $\frac{8}{11} - \frac{7}{11}$

c) $-\frac{3}{10} - \frac{4}{10}$

d) $-\frac{2}{5} - \left(-\frac{1}{5}\right)$

e) $\frac{2}{13} + \frac{4}{13} + \frac{1}{13}$

f) $\left(\frac{3}{18}\right) + \frac{1}{18} - \frac{11}{18}$

g) $\left(\frac{4}{9} - \frac{7}{9}\right) + \frac{1}{9}$

2. Salma and Meera each planted tulips. Of Salma's 20 tulips, 18 were red, while 8 of Meera's 20 tulips were red. How much greater was Salma's fraction of red tulips than Meera's?

Lesson 4: Add and Subtract Unlike Fractions

1. Add or subtract. Write in simplest form.

a) $\frac{1}{18} + \frac{5}{9}$

b) $\frac{11}{15} - \frac{2}{5}$

c) $\frac{7}{12} - \frac{5}{24}$

d) $-\frac{3}{10} - \frac{4}{25}$

e) $\frac{5}{11} - \left(-\frac{3}{44}\right)$

f) $-\frac{2}{7} - \frac{1}{2}$

g) $3 + \frac{1}{6}$

h) $4 - \frac{3}{4}$

i) $\frac{2}{3} + \frac{4}{15} + \frac{1}{9}$

j) $\frac{3}{4} + \frac{1}{6} - \frac{11}{12}$

2. If $\frac{2}{3}$ of the girls in class have brown eyes and $\frac{1}{12}$ of the girls have blue eyes, what fraction of the girls in class have neither blue or brown eyes?

3. Hamad made an apple pie. His brother ate $\frac{1}{9}$ of the pie and his sister ate $\frac{3}{5}$ of the pie. How much less did his brother eat than his sister?

Lesson 5: Add and Subtract Mixed Numbers

1. Add or subtract. Write in simplest form.

a) $7\frac{3}{8} + 1\frac{1}{8}$

b) $5\frac{5}{7} - 1\frac{1}{7}$

c) $4\frac{3}{4} + 3\frac{1}{2}$

d) $6\frac{7}{10} - 3\frac{1}{4}$

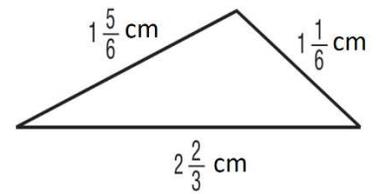
e) $9\frac{9}{20} + 1\frac{4}{5}$

f) $4\frac{5}{8} - 2\frac{7}{8}$

g) $7 - 2\frac{3}{10}$

h) $3\frac{1}{18} + 3\frac{5}{9} - 2\frac{1}{6}$

2. Find the perimeter of the triangle.



3. Nada knitted two scarves for her dolls. One was $10\frac{3}{4}$ cm long. The other was $3\frac{1}{8}$ cm shorter than the first. How long was the second scarf?

Lesson 6: Multiply Fractions

1. Multiply. Write in simplest form.

a) $\frac{4}{5} \times \frac{1}{2}$

b) $-\frac{5}{14} \times 7$

c) $-\frac{6}{13} \times \left(-\frac{1}{6}\right)$

d) $\frac{5}{7} \times \frac{2}{5}$

e) $-\frac{5}{8} \times \frac{24}{25}$

f) $3\frac{2}{9} \times \frac{3}{8}$

g) $\frac{2}{26} \times \left(-4\frac{1}{3}\right)$

h) $20 \times 2\frac{2}{5}$

i) $3\frac{1}{3} \times \left(-2\frac{2}{3}\right)$

j) $-2\frac{2}{7} \times 1\frac{1}{6}$

2. Find $\frac{1}{5}$ of $\frac{1}{10}$ of a meter.

3. Find $\frac{1}{3}$ of $\frac{1}{60}$ of an hour.

4. Evaluate each verbal expression.

a) one fourth of two eighths

b) three fifths of one half

5. A hiker averages $6\frac{1}{4}$ kilometers per hour. If he hikes for $3\frac{1}{3}$ hours, how many kilometers does he hike?

Lesson 7: Convert Between Systems

1. Complete. Round to the nearest hundredth if necessary.

a) $3.42 \text{ m} \approx$ yd

b) $1.4 \text{ mi} \approx$ km

c) $0.35 \text{ m} \approx$ ft

d) $4.5 \text{ qt} \approx$ mL

e) $600 \text{ mL} \approx$ pt

f) $4.24 \text{ L} \approx$ gal

g) $815.5 \text{ g} \approx$ lb

h) $8.5 \text{ in.} \approx$ cm

i) $94 \text{ cm} \approx$ in.

j) $250 \text{ mL} \approx$ c

k) $9 \text{ c} \approx$ mL

l) $320 \text{ lb} \approx$ kg

3. Determine which measurement is greater.

a) 4 yd, 2.7 m

b) 9 lb, 5 kg

4. Order the following measures from least to greatest: 1.5 m, 20 in., 1.15 ft, 250 cm

5. Salem used 2.8 pounds of sugar in a recipe. About how many grams is the mass of the sugar?

6. Hind measured the length of her room and found that it was 5 meters long. About how many yards is the length of her room?

Lesson 8: Divide Fractions

1. Divide. Write in simplest form.

a) $\frac{3}{10} \div \frac{3}{5}$

b) $-\frac{2}{7} \div \frac{6}{35}$

c) $9 \div \frac{1}{5}$

d) $\frac{2}{11} \div 4$

e) $5\frac{1}{5} \div (-13)$

f) $2 \div 1\frac{1}{3}$

g) $\frac{3}{8} \div 2\frac{1}{6}$

h) $-\frac{2}{9} \div \left(-3\frac{1}{8}\right)$

i) $6\frac{1}{4} \div \frac{7}{16}$

j) $-8\frac{1}{9} \div \frac{4}{9}$

2. Use the table that shows the weights of three sizes of pizza.

a) How many times as heavy is the extra-large pizza than the small pizza?

Pizza Size	Weight
Extra-large	$4\frac{1}{2}$
Medium	$3\frac{1}{8}$
Small	$1\frac{1}{4}$

b) How many times heavier is the medium pizza than the small pizza?