Part-3	Type Questions نوع الأسئلة	كتابي	Marks per Main Question الدرجات لكل سؤال أساسي	8-6 درجات

U12-5	Solve problems involving money	Exercise (1-7)	Page:151

مطلوب أن يتدرب الطالب على خطوات الحل

What decimal represents the total amount of money?

1. 

$ _____

2. 

$ _____

3. 

$ _____

4. 

$ _____

5. Marnie has the amount shown. Her mom gives her a one-dollar bill and 2 dimes. How much money does Marnie have now?

6. John has the amount shown. He spend $1.25. How much money does John have now?

7. Sergio wants to buy a snack for $1.75. He has a one-dollar bill, 6 dimes, and 7 pennies. Does he have enough money to buy the snack? Explain.

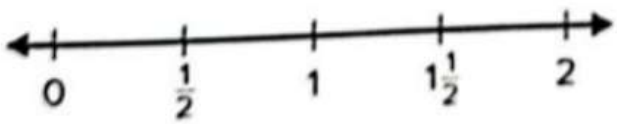
Part-3	Type Questions نوع الأسئلة	كتابي	الدرجات لكل سؤال أساسي Marks per Main Question	8-6 درجات

U13-10	Create line plots to display measurement data sets in fractions of a unit	Exercise (5,6)	Page:201

مطلوب أن يتدرب الطالب على خطوات الحل

Use the data for exercises 5 and 6.

5. The table shows the time Jackson spent practicing the saxophone each day. Display the data on a line plot.



Saxophone Practice (hours)	
Monday	$1\frac{1}{2}$
Tuesday	0
Wednesday	$\frac{1}{2}$
Thursday	1
Friday	1
Saturday	0
Sunday	$1\frac{1}{2}$

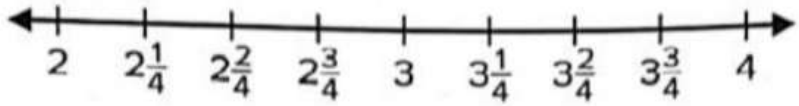
6. How many hours did Jackson practice in all?

_____ hours

U13-10	Create line plots to display measurement data sets in fractions of a unit	Exercise (7-9)	Page:202

The table shows the distances Kireka's family hiked each day during a family vacation. Use the data in the table for exercises 7–10.

7. Draw a line plot to display the data.



Distance Hiked (miles)	
Monday	$3\frac{1}{4}$
Tuesday	2
Wednesday	$3\frac{2}{4}$
Thursday	$2\frac{1}{4}$
Friday	4
Saturday	$2\frac{3}{4}$
Sunday	$3\frac{1}{4}$

8. Which distance was most frequently hiked?

_____ miles

9. What is the difference between the longest and shortest distance Kireka's family hiked?

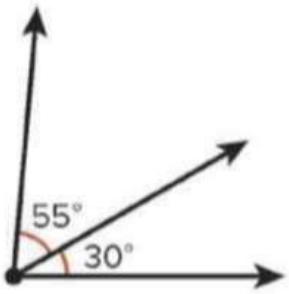
_____ miles

Part-3	Type Questions نوع الأسئلة	كتابي	الدرجات لكل سؤال أساسي Marks per Main Question	8-6 درجات
U14-6	Represent and solve problems involving an unknown angle measure using an equation with a variable		Exercise (1-6)	Page:237

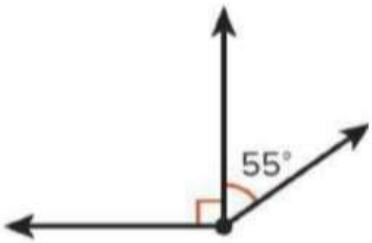
مطلوب أن يتدرب الطالب على خطوات الحل

What is the combined angle measure? Show your work.

1.

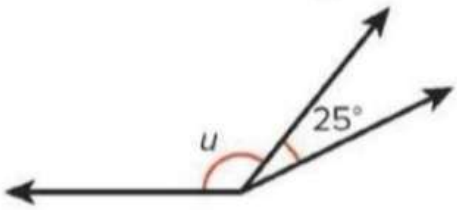


2.

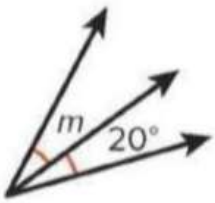


What is the unknown angle measure? Write an equation to show your work.

3. The sum of the angles is 155°.



4. The sum of the angles is 45°.



5. The sum of the angles is 72°.

6. The sum of the angles is 180°.

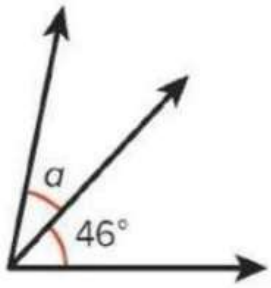
Part-3	Type Questions نوع الأسئلة	كتابي	الدرجات لكل سؤال أساسي Marks per Main Question	8-6 درجات
U14-6	Represent and solve problems involving an unknown angle measure using an equation with a variable		Exercise (7-11	Page:238

مطلوب أن يتدرب الطالب على خطوات الحل

7. The combined angle measure is 140°.

8. The combined angle measure is 133°.

9. STEM Connection The drawing represents the turn made by one of Antonio's robots. The total turn measures 78°. What is the measure of angle *a*?



10. An angle that measures 65° is partitioned into two smaller angles. The first angle measures 22°. What is the measure of the second angle? Write an equation to solve.

11. Extend Your Thinking

Show or explain the answer.

Draw an angle that has been divided into three smaller angles. Label two of the angle measures and the combined angle measure. Use an equation to represent the measure of the unknown angle. Then solve.

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What decimal represents the total amount of money?

1. 

$ 1.24

2. 

$ 5.33

3. 

$ 7.46

4. 

$ 2.12

5. Marnie has the amount shown. Her mom gives her a one-dollar bill and 2 dimes. How much money does Marnie have now?

$6.82

6. John has the amount shown. He spends $1.25. How much money does John have now?

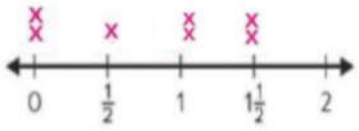
$1.23

7. Sergio wants to buy a snack for $1.75. He has a one-dollar bill, 6 dimes, and 7 pennies. Does he have enough money to buy the snack? Explain.

No; Sergio has $1.67 and $1.67 < $1.75.

Use the data for exercises 5 and 6.

5. The table shows the time Jackson spent practicing the saxophone each day. Display the data on a line plot.



Saxophone Practice (hours)	
Monday	$1\frac{1}{2}$
Tuesday	0
Wednesday	$\frac{1}{2}$
Thursday	1
Friday	1
Saturday	0
Sunday	$1\frac{1}{2}$

6. How many hours did Jackson practice in all?

$5\frac{1}{2}$ hours

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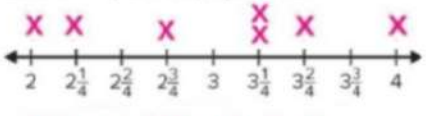
The table shows the distances Kireka's family hiked each day during a family vacation. Use the data in the table for exercises 7–10.

7. Draw a line plot to display the data.



Distance Hiked (miles)

Distance Hiked (miles)	
Monday	$3\frac{1}{4}$
Tuesday	2
Wednesday	$3\frac{2}{4}$
Thursday	$2\frac{1}{4}$
Friday	4
Saturday	$2\frac{3}{4}$
Sunday	$3\frac{1}{4}$

8. Which distance was most frequently hiked?

$3\frac{1}{4}$ miles

9. What is the difference between the longest and shortest distance Kireka's family hiked?

2 miles

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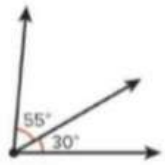
On My Own

Name _____

What is the combined angle measure? Show your work.

1.



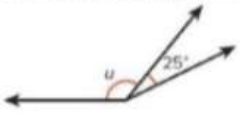
85°;
30° + 55° = 85°

2.

145°;
90° + 55° = 145°

What is the unknown angle measure? Write an equation to show your work.

3. The sum of the angles is 155°.



130°;
u + 25° = 155°

4. The sum of the angles is 45°.

25°;
m + 20° = 45°

5. The sum of the angles is 72°.

36°;
p + 36° = 72°

6. The sum of the angles is 180°.

60°;
m + 120° = 180°

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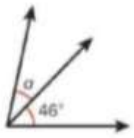
7. The combined angle measure is 140°.

k = 50°;
k + 90° = 140°

8. The combined angle measure is 133°.

x = 86°;
x + 47° = 133°

9. **STEM Connection** The drawing represents the turn made by one of Antonio's robots. The total turn measures 78°. What is the measure of angle a?



a = 32°

10. An angle that measures 65° is partitioned into two smaller angles. The first angle measures 22°. What is the measure of the second angle? Write an equation to solve.

43°; 22° + p = 65°

11. **Extend Your Thinking** Draw an angle that has been divided into three smaller angles. Label two of the angle measures and the combined angle measure. Use an equation to represent the measure of the unknown angle. Then solve.

The combined angle measure : 150^o

$m + 50^o + 50^o = 150^o$

$m = 50^o$