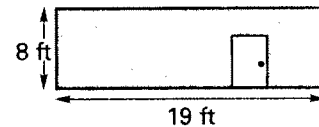




Objective 6 TEKS 6.11.A Practice

- An art school orders colored pencils. The order is shipped in 12 boxes. Each box contains 16 sets of pencils. What missing information do you need to find the number of pencils the school orders?
 - The size of a box
 - The length of a pencil
 - The number of pencils in a set
 - The length of time for an order to arrive
- A farmer harvests 1500 bushels of apples. The farmer receives \$26 per bushel for the harvest. What missing information do you need to find the total number of apples harvested?
 - The number of bushels harvested per tree
 - The number of apples harvested per tree
 - The average amount received per apple
 - The total amount received
- Kim's favorite book series consists of 9 books. Each book has an average of 150 words per page. What missing information does Kim need to find the total number of words in the series?
 - The average number of words per chapter
 - The average number of pages per book
 - The total number of books Kim has read
 - The average number of pages per chapter
- Marti competes in a 12-mile bicycle race. She knows there are 12 inches in 1 foot. What single other fact will she need to find the length of the race in inches?
 - 36 inches equal 1 yard.
 - 36 inches equal 3 feet.
 - 5280 feet equal 1 mile.
 - 5280 feet equal 1760 yards.

- Ms. Ryan asks her assistant to type 2 reports, each 5200 words long. The assistant can type an average of 200 words in 5 minutes. Which fact will Ms. Ryan need to decide if her assistant can finish the job within 2 hours?
 - 1 minute equals 60 seconds.
 - 60 minutes equal 1 hour.
 - 300 seconds equal 5 minutes.
 - 3600 seconds equal 1 hour.
- The elevator in an office building can rise from the ground floor to the fifth floor in 26 seconds. What missing information do you need to find how fast the elevator rises in feet per second?
 - The height of each floor in feet
 - The height of the elevator car in feet
 - The time the elevator takes to rise 1 foot
 - The time the elevator takes to rise 1 floor
- Sarah plans to paint the wall shown, except for the door. Both the wall and the door are rectangular.



One gallon of paint covers 130 square feet. What missing information does Sarah need to find the number of gallons of paint she should buy?

- The area of the door in square feet
 - The perimeter of the door
 - The ratio of the height of the door to the height of the wall.
 - The total area of the wall and door in square feet
- 6.11.A** When you finish this page, you can check off a box on your TEKS Tracker, page 69.



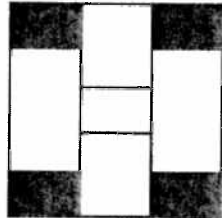
Objective 6
TEKS 6.11.B Practice

1. David, Micah, and Joe are brothers. Micah is 5 years younger than Joe. David is 2 years older than Micah. If David is 16 years old, how many years old is Joe?

Record your answer and fill in the bubbles in the grid below. Be sure to use the correct place value.

		1	9	.		
0	0	0	0		0	0
1	1	●	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	●		9	9

2. Kayla designs this pattern with tiles.



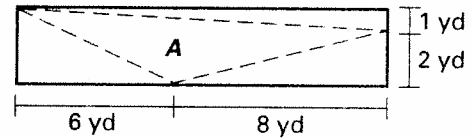
The black tiles cost \$4.50 for a box of 10 tiles. If she must buy whole boxes of tiles, what is the least amount Kayla will have to spend on black tiles to repeat the pattern 32 times?

- F \$36.50
G \$45.00
H \$58.50
J \$72.00
3. Ms. Charles drives 60 miles per hour for 2.25 hours. If her car can travel 15 miles on 1 gallon of gas, how many gallons of gas did she use during this time?
- A 4 B 9
C 75 D 135

4. A musician practices for 1 hour and 30 minutes, 5 times per week. During each practice, she plays scales for 15 minutes. Then she spends the remaining time working on a new piece for a recital. How long will she spend practicing the new piece in 1 week?

- F 1 hour and 15 minutes
G 6 hours and 15 minutes
H 7 hours and 30 minutes
J 8 hours and 45 minutes

5. Mr. Gains cuts this rectangular fabric into four triangles.



What is the area of triangle A?

- A 18 square yards
B 21 square yards
C 24 square yards
D 42 square yards
6. A babysitter charges \$6.50 per hour for one child. He charges an extra \$.75 per hour for each additional child. How much does the sitter charge to watch 3 children for 4 hours?
- F \$26.25 G \$27.50
H \$32.00 J \$35.00
7. The perimeter of one side of a box is 16 inches. If the box is in the shape of a cube, what is the volume of the box?
- A 12 in.³ B 36 in.³
C 48 in.³ D 64 in.³

6.11.B When you finish this page, you can check off a box on your TEKS Tracker, page 69.



Objective 6 TEKS 6.11.C Practice

1. Mike's Auto Shop has 12 vehicles for sale. Two-thirds are cars and the rest are trucks. One-quarter of the cars and half of the trucks are black. Which drawing could you use to find the number of black cars for sale at Mike's?

	Cars		Trucks
A			
B			
C			
D			

2. José spends $2\frac{1}{2}$ hours doing homework for English, Math, and Social Studies. He spends twice as much time on Social Studies as he spends on English. If he spends $\frac{1}{2}$ an hour on English, which drawing could you use to find the amount of time José works on Math?

F	<table border="1" style="display: inline-table;"><tr><td>E</td><td>SS</td><td>M</td></tr></table>	E	SS	M		
E	SS	M				
G	<table border="1" style="display: inline-table;"><tr><td>E</td><td>E</td><td>SS</td><td>M</td></tr></table>	E	E	SS	M	
E	E	SS	M			
H	<table border="1" style="display: inline-table;"><tr><td>E</td><td>SS</td><td>SS</td><td>M</td><td>M</td></tr></table>	E	SS	SS	M	M
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J	<table border="1" style="display: inline-table;"><tr><td>E</td><td>E</td><td>SS</td><td>SS</td><td>M</td></tr></table>	E	E	SS	SS	M
E	E	SS	SS	M		

3. Mr. Peters cuts a wooden board into 3 pieces. He cuts 1 of the pieces into 3 pieces. He cuts the other 2 pieces into 2 pieces each. If he uses 5 pieces, which drawing could best help you find the number of pieces left?

A	
B	
C	
D	

4. Mr. Justin drives 200 miles on each tank of gasoline. He starts driving with $\frac{1}{2}$ of a tank of gas. Which drawing could you use to find the number of times Mr. Justin will have to fill the tank to drive 350 miles?

F	<table border="1" style="display: inline-table;"><tr><td>200</td><td>fill tank</td><td>100</td><td>fill tank</td><td>50</td></tr></table>	200	fill tank	100	fill tank	50
200	fill tank	100	fill tank	50		
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J	<table border="1" style="display: inline-table;"><tr><td>100</td><td>fill tank</td><td>200</td><td>fill tank</td><td>50</td></tr></table>	100	fill tank	200	fill tank	50
100	fill tank	200	fill tank	50		

5. Dr. Walker pours half of a full bottle of liquid into 6 jars. Then she pours half of the liquid from each jar into 2 test tubes. Which drawing could you use to find the total number of containers she uses?

A		B	
C		D	

6. Amy's garden has 3 rows of sunflowers. Two rows have 4 plants and one row has 3 plants. Each plant produces an average of 5 ounces of seeds. Which drawing could you use to find the total ounces of seeds?

F	<table border="1" style="display: inline-table;"><tr><th>Row 1</th><th>Row 2</th><th>Row 3</th></tr><tr><td>S S S S</td><td>S S S S</td><td>S S S S</td></tr><tr><td>5 5 5 5</td><td>5 5 5 5</td><td>5 5 5 5</td></tr></table>	Row 1	Row 2	Row 3	S S S S	S S S S	S S S S	5 5 5 5	5 5 5 5	5 5 5 5
Row 1	Row 2	Row 3								
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H	<table border="1" style="display: inline-table;"><tr><th>Row 1</th><th>Row 2</th><th>Row 3</th></tr><tr><td>S S S S</td><td>S S S S</td><td>S S S</td></tr><tr><td>5 5 5 5</td><td>5 5 5 5</td><td>5 5 5</td></tr></table>	Row 1	Row 2	Row 3	S S S S	S S S S	S S S	5 5 5 5	5 5 5 5	5 5 5
Row 1	Row 2	Row 3								
S S S S	S S S S	S S S								
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J	<table border="1" style="display: inline-table;"><tr><th>Row 1</th><th>Row 2</th><th>Row 3</th></tr><tr><td>S S S S S</td><td>S S S S S</td><td>S S S S S</td></tr></table>	Row 1	Row 2	Row 3	S S S S S	S S S S S	S S S S S			
Row 1	Row 2	Row 3								
S S S S S	S S S S S	S S S S S								

- 6.11.C** When you finish this page, you can check off a box on your TEKS Tracker, page 69.