

SEVENTH-GRADE MATH MINUTES

One Hundred Minutes to Better Basic Skills

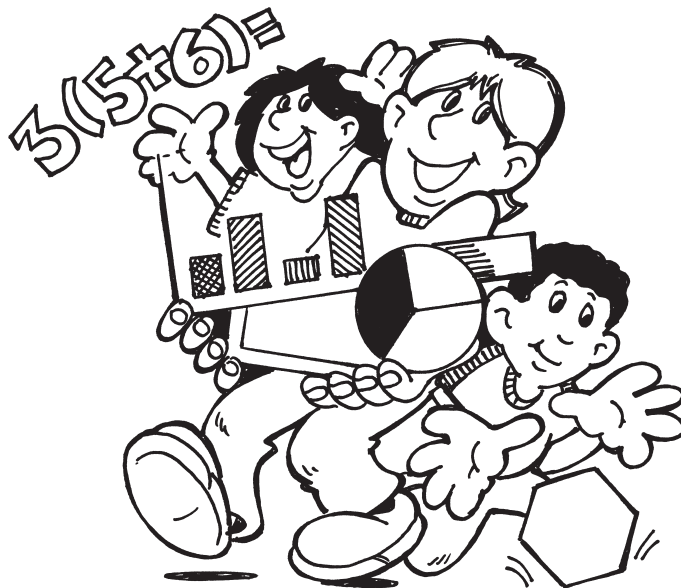
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NAME: _____



MINUTE 1

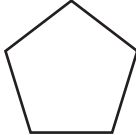
1. Simplify: $12(2 + 7 + 1) =$

2. $\frac{3}{10} \cdot \frac{7}{10} =$

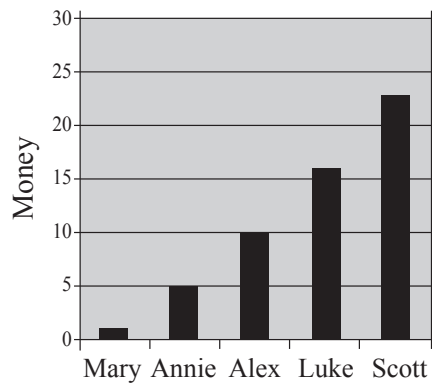
3. Circle all of the following equal to $\frac{2}{5}$: 0.4 $\frac{4}{100}$ 40% 

4. $10 \cdot \square = 5$

5. Cross out the three-dimensional shape. 


6. Each side of the regular pentagon is 5 centimeters. What is the perimeter? _____ 

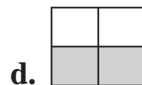
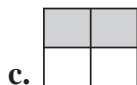
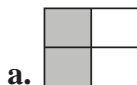
7. In the graph, Alex has _____ times as much money as Annie.



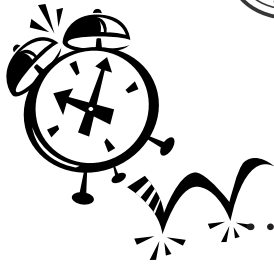
8. If $a = 5$ and $b = 4$, then $2a + b =$ _____.

9. If $3x = 27$, then $x =$ _____.

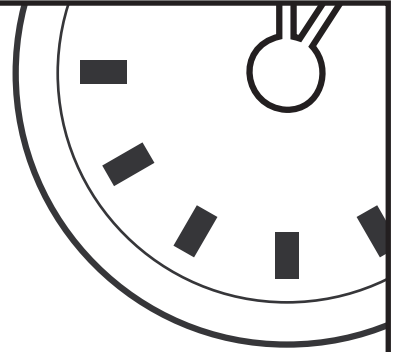
10. Which of the following shapes comes next in the pattern? 



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MINUTE 2



1. $\frac{12}{2} \cdot \frac{1}{3} =$

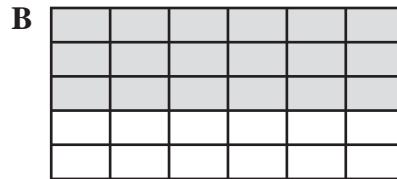
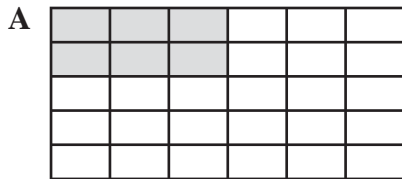
2. Use the correct symbol ($=$, $>$, or $<$) to complete: $\frac{3}{10} + \frac{7}{10}$ $\frac{3}{10} \cdot \frac{7}{10}$

3. Which of the following does not belong? Circle your answer.

Two-tenths 0.2 20% 

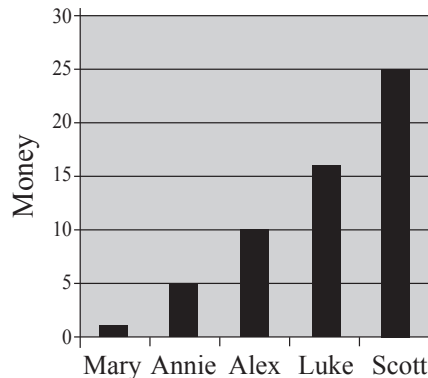
4. The distance between two cities would most likely be measured in:
 a. feet b. inches c. yards d. miles

5. The shaded area in figure B is _____ times greater than the shaded area in figure A.



6. The perimeter around the shaded area in figure A in Problem 5 is _____ units.

7. In the graph, _____ has five times as much money as _____.



For Problems 8–10, evaluate if $a = 4$, $b = 6$, and $c = 2$.

8. $ab =$

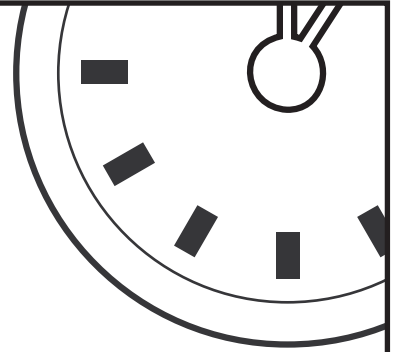
9. $\frac{a+b}{c} =$

10. $b^2 =$

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MINUTE 3



1. $2 \left[\frac{30}{5} \right] =$

2. $\left(\frac{1}{4} \right) \left(\frac{1}{3} \right) =$

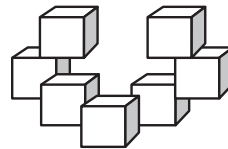
3. Which of these represents the greatest amount?

Circle: 62% $\frac{1}{2}$ 0.58



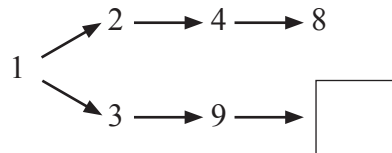
4. Use \cdot , $+$, $-$, or \div to complete the following equation. $2 \square 4 \square 1 = 9$

5. How many cubes are in this set? _____



6. The distance around the world at the equator is about 42,000 _____.
a. meters b. kilometers c. centimeters d. millimeters

7. What number will complete the box? _____



For Problems 8–10, use $>$, $<$, or $=$.

8. 50% _____ $\frac{1}{2}$

9. 3^2 _____ 2^3

10. $0.\bar{5}$ _____ 0.5