

Turn On to Number (5 - 6)

Answer Key and Scoring Guide

<u>Item</u>	<u>Value</u>	<u>Answer</u>
1.	(1-3 points)	One point for each correct answer. a) prime b) composite c) prime
2.	(1 point)	$2^3 \cdot 3^2 \cdot 5$ (Solution can be written in any order.)
3.	(1 point)	12
4.	(1 point)	$2/15$
5.	(1 point)	$7/2$ or $3 \frac{1}{2}$
6a.	(1 point)	$1/3$
6b.	(1 point)	Answers may refer to: <ul style="list-style-type: none">visually moving section A and placing it two more times on the remaining rectanglecounting the squares and finding that there are 72 squares in the entire rectangle and 24 of those squares are in section A or $24/72$ which equals $1/3$seeing that there are 6 squares up the side and section A contains two of the 6 squares
6c.	(1 point)	$1/18$
6d.	(1 point)	D and E
7.	(1-2 points)	Score of 2: All correct answers circled and no incorrect answers circled. Score of 1: One or two correct answers circled and no incorrect answers circled. Score of 0: One or more incorrect answers circled. Solution: $1/3$, $4/12$, $10/30$
8a.	(1 point)	NO
8b.	(1 point)	Explanations may involve the following: <ul style="list-style-type: none">forming equivalent fractions and comparing numeratorsforming equivalent fractions and comparing denominatorschanging $4/5$ to $8/10$ and comparing it to $8/9$
9a.	(1 point)	Market A
9b.	(1 point)	Students may explain their solutions in a variety of ways. Possible answers may be: <ul style="list-style-type: none">multiply Market A cost by 3$3/6 = 9/18$ which is less than $12/18$
10.	(1 point)	2 cups, answer must be labeled

11. (1 point) 8
12. (1 point) $\frac{1}{3}$
- 13a. (1 point) $\frac{72}{100}$ or $\frac{18}{25}$
- 13b. (1 point) $\frac{48}{100}$ or $\frac{12}{25}$
14. (1 point) $-.7$, $-\frac{1}{2}$, $.45$, $\frac{5}{8}$, $\frac{2}{3}$, $\frac{5}{6}$
- 15a. (1 point) $<$
- 15b. (1 point) $>$
16. (.5-3 points) .5 point for each correct answer.
- a. .6
 - b. 60%
 - c. .3
 - d. 30%
 - e. .38
 - f. 38%
17. (1 point) 14
18. (1 point) \$3.30
19. (1 point) \$13.50