Tennessee Comprehensive Assessment Program

TCAP

TNReady—Math
Grade 6 Item Release

Spring 2017

TN Department of **Education**

Table of Contents

Metadata Interpretation Guide – Math

SAMPLE METADATA TABLE

Label	TN0045532	Max Points	1
Item Grade	8	Rationale1	
Item Content	Math	Rationale2	
Item Type	Choice	Rationale3	
Key	3	Rationale4	
DOK	2	Rationale5	
Difficulty	M	Rationale6	
Calculator	No	Sample Answer	
Ruler	None		
Standard 1 Code	8.NS.A.2	Standard 1	
Standard 2 Code	8.NS.A.2	Standard 2	

METADATA DEFINITIONS

Label: Unique letter/number code used to identify the item.	**Max Points**: Maximum score points possible for this item.
Item Grade (if listed): Grade level in 3-8 or EOC	**Rationale1** (if listed): Reason why this answer choice is correct or incorrect.
Item Content (if listed): Subject being tested. (e.g., ELA, Algebra I, etc.).	**Rationale2** (if listed): Reason why this answer choice is correct or incorrect.
Item Type: For example, "Choice" for multiple choice questions, "Match" for matching tables, "Composite" for two-part items.	**Rationale3** (if listed): Reason why this answer choice is correct or incorrect.
Key: Correct answer. 1=A, 2=B, etc. This may be blank for constructed response items where students write or type their responses.	**Rationale4** (if listed): Reason why this answer choice is correct or incorrect.
DOK (if listed): Depth of Knowledge (cognitive complexity) is measured on a four-point scale. 1=recall; 2=skill/concept; 3=strategic thinking; 4=extended thinking.	**Rationale5** (if listed): Reason why this answer choice is correct or incorrect.
Difficulty (if listed): Level of difficulty.	**Rationale6** (if listed): Reason why this answer choice is correct or incorrect.
Calculator (if listed): Yes for items that permit calculator use.	**Protractor** (if listed): Yes for items that permit protractor use.
Ruler (if listed): Yes for items that permit a ruler.	**Sample Answer** (if listed): An example of an answer a student could provide.
Standard 1 Code (if listed): Content standard assessed.	**Standard 1** (if listed): Text of the content standard assessed.
Standard 2 Code (if listed): Content standard assessed. This is the primary code used for the Integrated Math courses.	**Standard 2** (if listed): Text of the content standard assessed.

TN720310

Label	TN720310	Max Points	1
Item Grade	06	Rationale1	N/A
Item Content	Math	Rationale2	N/A
Item Type	choice	Rationale3	N/A
Key	2	Rationale4	N/A
DOK	2	Rationale5	N/A
Difficulty	N/A	Rationale6	N/A
Calculator	Yes	Sample Answer	N/A
Ruler	None		
Standard 1 Code	6.RP.A.3b	Standard 1 Text	N/A

What is the unit price of a granola bar if 8 granola bars cost $4.16?

A $0.42

B $0.52

C $1.92

D $5.20

TN320340

Label	TN320340	Max Points	1
Item Grade	06	Rationale1	N/A
Item Content	Math	Rationale2	N/A
Item Type	choice	Rationale3	N/A
Key	2	Rationale4	N/A
DOK	2	Rationale5	N/A
Difficulty	N/A	Rationale6	N/A
Calculator	Yes	Sample Answer	N/A
Ruler	None		
Standard 1 Code	6.EE.B.8	Standard 1 Text	N/A

With his phone/data plan, Matthew gets 350 free minutes each month to talk on his phone.

Which inequality represents the number of minutes, x, that he can talk for free each month?

M $x < 350$

P $x \leq 350$

R $x > 350$

S $x \geq 350$

TN820316

Label	TN820316	Max Points	1
Item Grade	06	Rationale1	N/A
Item Content	Math	Rationale2	N/A
Item Type	choice	Rationale3	N/A
Key	2	Rationale4	N/A
DOK	N/A	Rationale5	N/A
Difficulty	N/A	Rationale6	N/A
Calculator	Yes	Sample Answer	N/A
Ruler	None		
Standard 1 Code	6.NS.C.7b	Standard 1 Text	N/A

Which choice shows the numbers in order from least to greatest?

A) $0, \ 24, \ -25, \ |-28|$

B) $-25, \ 0, \ 24, \ |-28|$

C) $|-28|, \ -25, \ 0, \ 24$

D) $|-28|, \ 24, \ 0, \ -25$

TN120333

Label	TN120333	Max Points	1
Item Grade	06	**Rationale1**	N/A
Item Content	Math	**Rationale2**	N/A
Item Type	choice	**Rationale3**	N/A
Key	1	**Rationale4**	N/A
DOK	2	**Rationale5**	N/A
Difficulty	N/A	**Rationale6**	N/A
Calculator	Yes	**Sample Answer**	N/A
Ruler	None		
Standard 1 Code	6.RP.A.3c	**Standard 1 Text**	N/A

Of the 220 tickets available for a school play, 45% have been sold. What is the number of tickets that have sold?

M) 99

P) 175

R) 489

S) 990

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