Q}ÁÕ¦æå^ÁÎÊÁä}•c¦`&cá[} •@[`|åÁ~[&`•Á[}Á~[`¦Á&¦áci&æ|Áæ¦^æ•KÁÇFDÁ&[}}^&cá}*Á¦æcá[Áæ}åÁ¦æc^Ác[Á _@[|^Á}`{à^¦Á{`|cá]|á&æcá[}Åæ}åÁåäçã•á[}Åæ}åÁ`•ã}*Á&[}&^]c•Á[-Á¦æcá[Áæ}åÁ¦æc^Ác[Á=[|ç^Á]![à|^{•LÁÇGDÁ&[{]|^cá}*Á`}å^¦•cæ}åä}*Á[-Áåäçã•ã[}Á[-Á~¦æ&cã[}•Áæ}åÅ^¢c^}åä}*Ác@^Á}[cá[}Á[-Á }`{à^¦Ác[Ác@^Á•^•c^{{Á[-Á¦æcá[}æ|Á}`{à^!•ÊÅ_@ã&@Áã}&|`å^•A}^*æcã

Grade 6 (continued)

• { { $x_i^2 = \frac{1}{2} + \frac{1}{2} +$

$$\begin{split} \dot{U}_{a}^{a} & \dot$$

Ratios and Proportional Relationships (RP)	
	Understand ratio concepts and use ratio reasoning to solve problems
ÎÈÜÚÈF	W}å^!•cæ}åkc@^k&[}&^]ck[-kæklæci[kæ}åk`•^klæci[k æ}*`æ*^kc[kå^•&lià^kæklæci[k!^ æci[}•@i]kà^c,^^}k c, [k``æ}cici^•ÈkFor example, "The ratio of wings to beaks in the bird house at the zoo was 2:1, because for every 2 wings there was 1 beak." "For every vote candidate A received, candidate C received nearly three votes."

ÎĖÞÙÈI	Øå}åÁc@^Á*¦^æc^•cÁ&[{ { [}Á~æ&c[¦Á[~Ác, [Á, @[^Á}` { à^¦•Á ^••Ác@æ}Á[¦Á^``æ Ác[ÁF€€Áæ}åÁc@^Á ^æ•cÁ &[{ { [}Á { ` câ] ^Á[~Ác, [Á, @[^Á}` { à^¦•Á ^••Ác@æ}Á[¦Á^``æ Ác[ÁFGĚÁW•^Ác@^Áåå•c¦åà`cáç^Á]¦[]^¦c^Ác[^¢]¦^••ÁæÁ•` { Á[~Ác, [Á, @[^Á}` { à^¦•ÁF.F€€Á, àc@ÁæÁ&[{ { [}Á~æ&c[¦Áæ•ÁæÁ { ` câ] ^Á[~ÁæÅ•` { Á[~Ác, [Á , @[^Á}` { à^!•Á, àc@Á}[Á&[{ { [}Á-æ&c[¦ÈÅ <i>For example, express 36 + 8 as 4 (9 + 2).</i>
Apply and extend previous understandings of numbers to the system of rational numbers	
ÎĖÞÙĖÍ	W}å^!•cæ}åAc@æcA][•iciiç^Aæ}åA}^*æciiç^A}`{à^!•Aæ!^A`•^åAc[*^c@^!Ac[Aå^•&¦iià^A``æ}cicii^•A@æçii}*A []][•iic^Aåi!^&cii[}•A[!Açæ `^•AÇ^È*ÈEAc^{]^!æc`!^Aæà[ç^Đà^ [¸A:^![ÊA^ ^çæci[}Aæà[ç^Đà^ [¸A•^æA

	Œ]] ^Áæ}åA^¢c^}åA]¦^çã[`•A`;}å^¦•cæ}åã}*•A[~Aæåååcã[}Aæ}åA•`àc¦æ&cã[}Ac[AæååAæ}åA•`àc¦æ&cA
	å}c^*^!•LA!^]!^•^}cAæååaa[}Aæ}åA•`àc!æ&ca[}A[}A@@[!a:[}cæ A[!Aç^!ca&æ A}`{à^!A a}^Aåaæ*!æ{E
	æĖ Ö^∙&¦åà^Å•åc˘æcå[}•Åå}Ÿ@ã&@Å[]][•åc^Å˘˘æ}cåcå^•Å&[{àà}^Åc[Å{æ\^Å€ĖÅ <i>For example, a</i>
	hydrogen atom has 0 charge because its two constituents are oppositely charged
	àÈ W}å^¦•cæ}åÁp + q æ•Ác@^Á}` { à^¦Á [&æc^åÁæÁåi•cæ}&^Á0q0Á~¦[{ ÁpÊÁi}Ác@^Á][•iciç^Á[¦Á}^*æciç^Á
	åå1^&cå[}Åå^]^}åå}*Á[}Á`,@^c@^¦Áq`à•Á][•ācáç^Á[¦}^*æcáç^ÈÁÙ@[`,Ác@æcÁæÁ}` {`à^¦Áæ}åÁác•Á
	[]][●åc^A@æç^ÁæA●`{A[~A€AÇæ¦^Aæååacåç^Aå}ç^\•^•DÈAQ}c^\]\^cA●`{●A[~Aå}c^*^\•`à^Aå^•&¦åàå}*A
ÎĖÞÙĖJ	!^æ Ĕ,[¦ åÁ&[}c^¢c●È
	&È W}å^!•cæ}åÅ•`àc!æ&ci[} $A[-Ai]c^*^!• æ•Aæååi}*Ac@^Aæååiicicc^Ai]c^!•^ÈAp - q = p + (-qDÈAÙ@[_Ac@æcA$
	c@^A&&=cæ}&^A&^c_^^}Ac_[A&}c^*^!• [}Ac@^A}` { a^!Al&}A&=Ac@^A&&=[]`c^Açæ `^A[_Ac@^&!A&=Ac@^A&&A
	æ}åÁæ]] ^Ác@ā•Á]¦ā}&ā] ^Áā}Á!^æ Ë_[¦ åÁ&[}c^¢c•È
	åÈ CE[]]^Á]![]^!cā^•Á[-Á[]^!æcā[}•Áæ•Á•c!æc^*ā^•Ác[ÁæååÁæ}åÁ•`àc!æ&cÁā}c^*^!•È

Expressions and Equations (EE)

	Apply and extend previous understandings of arithmetic to algebraic expressions
ÎÈÒÒÈF	$Y iac^A @ \{ aA^c @ [A^c] : A^c = i[\} = Ai \} C [C = i A A A B A A A A A A A A A A A A A A A$
ÎÈÒÒÈG	 Y lic^Ék!/æåÉkæ}åk/çæ `æc^k/¢]:^••i[}•ki}k, @i&@k ^cc^!•k•cæ}åk-[!k]` { à^!•É æÉ Y lic^k/¢]:^••i[}•kc@æck!^&[!åk[]^!æci[}•kj:c@k]` { à^!•kæ}åkj:c@k ^cc^!•k•cæ}åi}*k-[!k] č { à^!•EkFor example, express the calculation "Subtract y from 5" as 5 - y. àÉ Qå^}cikj:æ!c•k[-kæ}k^¢]:^••i[]**•i]*k { æc@^ { æci&æ kc^! { ekQ}•` { Ékc^! { EkJ}![å`&cEk-æ&c[!Ek č[ci^}cEk&[^i&&i^>cLk@a^_k[]**i]*k { æc@^ { æci&æ kc^! { ekQ}•` { Ékc^! { EkJ}![å`&cEk-æ&c[!Ek č[ci^}cEk&[^i&&i^>cLk@a^_k]**[!k { [!^A]:e!e*k[-kæ}k^c]:^••i[]*kæ•kæk•i]*!^A/>cio*EkFor example, describe the expression 2 (8 + 7) as a product of two factors; view (8 + 7) as both a single entity and a sum of two terms. &È Òçæ `æc^A/¢]:^••i[]*kæd*]*[*k4[:a]:[a]^{ { ekQ}^i - *k[-k@A]}; cæliæà]^•EkQ}& `a^A/¢]:^••i[]*k@@æckæli*^k ~i[{ A-[: { ` æ+A` • ^ åki}A!^*@E, [:!aA]:[a]^ { eEkU^!-[: { kælia@a]^•EkQ}& `a^A/¢]:^••i[}*k@@eckæli*^k i] { [4-[: { ` æ+A` • ^ åki}A!^*@E, [:!aA]:[a]^ { eEkU^!-[: { kælia@a]^*A.g@}/h@ech[:a]& `a]} i] { a[]/*c@^*-*aci[}*kæd*] []^}ceEki}k@[!a^!k[:a^!k[:a^!k[:a]]*k@a^!*A.g

2016 Mississippi College- and Career-Readiness Standards for Mathematics

Grade 6

ÎĖÒÒĖÏ	Ù[ç^Á¦^æ Ë, [¦ åÁæ}åÁ { æc@^ { æci&æ Á]¦[à ^ { •Áà^Á, ¦áci};*Áæ}åÁ•[çi}*Á^~~~æci[}•Á[-Ác@^Á~[¦{Á
110011	$ x + p = qx\} a^{p} = q [Ax = q - [Ax = -ax] a^{a} = ax = a^{a} + b^{a} = a^{a} + b^{a} = a^{a} + b^{a} = a^{a} = a^{a} + b^{a} = a^{a} = a^{$
	Y lác^Áæ}Áå}^~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
ÎĖÒÒĖÌ	$ \{ \text{acc} \land \{ \text{acia} \text{acia} \land \{ \text{acia} \land \{ \text{acia} \text{acia} \land \{ \text{acia} \land \{ \text{acia} \land \{ \text{acia} \ acia} \land \{ \text{acia} \land \{ $
	•[`cā[}•LÁ!^]!^•^}c4•[`cā[}•Á[-Á•`&@Áā}^``æ ācā^•Á[}Á}` { à^!Á ā}^Áªāæ*!æ{•È

Г

Represent and analyze quantitative relationships between dependent and independent variables	
ÎÈÒÒĖJ	 W•^Açæ!äæà ^•Ac[Á!^]!^•^}cAc, [A[~]*æ}cici^•Ai}AæA!^æ Ë, [! åA]![à ^ { Ac@æcA&@æ}*^Ai}A!^ æci[}•@i]Ac[A[}^A æ}[c@^!E Y !icc^Aæ}A^[~]*æci[}Ac[A^¢]!^•A[}^*æ}cic^ÊAc@[[*]@cA[-Aæ•Ac@^Aå^]^}å^}cAçæ!iæà ^ÊAi}Ac^! { •A[-A c@^A[c@^!A[~]*æ}cic^ÊAc@[[*]@cA[-Aæ•Ac@^Ai}å^]^}å^}cAçæ!iæà ^ÊA CE}æ][*]:^Ac@^A!^ æci[}•@i] à^c, ^^}Ac@^Aa^]^}å^}cAçæ!iæà ^Ai}a^]cAçæ!iæà ^•A[*]•i}*A[*]!æ]@•A æ}åAcæà ^•ÊAæ}åA!^ æc^Ac@^•^Ac[Ac@^A^[*]*æci]}ÈA For example, in a problem involving motion at constant speed, list and graph ordered pairs of

Summarize and describe distributions	
ÎÈÙÚÈI	Öå•] æ^Á}`{^¦å&æ ÅåæcæÁã}Á] [c•Á[}ÁæÁ}`{à^¦Á ã}^ÊÁã}& `åã}*Áå[cÁ] [c•ÊÁ@ã•c[*¦æ{•ÊÁæ}åÁà[¢Á] [c•È
ÎÈÙÚÈÍ	 Ù ~ { { æ!i:^h} ~ {^!i&æ håæcæh èc [Ac@^i!A&[] c^¢cÊh èc [Ac@^h] ~ { a^!A[àc [Ac@^h] ~ { a^!A[àc [Ac@^h] ~ { a^!A[àc [Ac@^h] ~ { a^!A[ac [Ac@^h] ~ { a^!A[ac [Ac@^h] ~ { a^: ac [Ac@^h] ~ { a^

Additional Resource

2016 Mississippi College- and Career-Standards Scaffolding Document

Standards for Mathematical Practice

- FÈ Tæ\^Å•^}•^Å[-Å]![à|^ { •Åæ}åÅ]^!•^ç^!^Åå}Å•[|çå}*Å c@^ {È
- HÈ Ô[}•c¦`&ckçiæà|^kæ¦*`{^}c•kæ}åk&¦ici``^kc@^k ¦^æ•[}i}*k[-k[c@^¦•È
- IÈ **T [å ^ |**Á , ãc @Á { æc@ **^ { æcã& •** È
- ĺÈ W•^Áæ]]¦[]¦ãæc^Ác[[|•Á•c¦æc^*ã&æ||^È
- ÎÈ Œcc^}åÁc[Á]¦^&ã•ã[}È
- ÏÈ Š[[\Á~[¦Áæ}åÁ { æ\^Á˘•^Á[~Á•c¦˘&c˘¦^È
- $$\begin{split} \dot{I} \dot{E} & \check{S}[[\lambda \dot{A}-[\lambda \hat{a}] \dot{A} \dot{\phi}] & | & \bullet \bullet \dot{A} | & \bullet \bullet \dot{A} | & \bullet \bullet \bullet \dot{A} |$$