

# GRADE 4

## Mathematics

Administered May 2019

RELEASED





# AAR GRADE 4 MA HEMA IC REFERENCE MA ERIAL

LENG H

& X V W R P D U \

O H W U L F

& H Q W L P H W H U V





0 \$ 7 + ( 0 \$ 7 , & 6

0 DWKH P DWLF V  
3 DJH

3 H R S I O W K & Q L W G H G D V G H U V L Q E R X W  
: K D V L W W K Y H D O R H W K G L J L W Q W K Q X P E H U "

E R W W R O Z H D M W H D F G D \

0 D W K H P D W L F V  
3 D J H

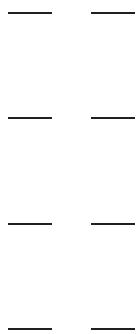
GO ON 

, J Q D F ~~L~~ Q G O D L Q H D W G K W D P R R M K H V K D G S D U R W H D F R R G H O  
U H S U H V W Q M U D F W R L W Q E H R R W K D W F W X G H Q W G

, J Q D F L R

( O D L Q H

: K L F K I S U H V V I D R Q H X V H Q R L Q G K G L I H U H E Q F W Z H M A Q H U D F W R L W Q H  
E R R N D L Q H D D Q Q W K I H U D F W R L W Q E H R R , N Q D F W R D G "



---

: K L F K G H F L P L D M T X L Y D W R Q W

: K L F K W D W H E H Q W H V F U I D S H U V P D M H U Y R F D E D Q N "

% D Q R V I H F U K H F N D Q J G D Y L Q J F V F R X Q W M K H F L X U V W R P H U V

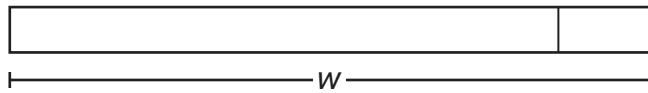
% D Q K V H C F S X V W R P G H U V L Z G K H L F H K [ S H Q W H R D \

% D Q K V H C F S X V W R P H H U W K H Q L H U L J K E R U V

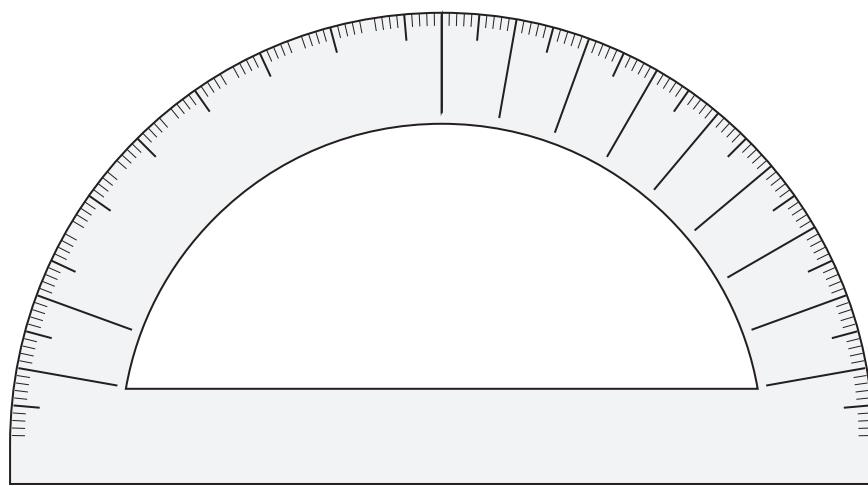
% D Q N V H O W D P S Q G H O L P Y D I U O

\$ O H J K D G W R V R D O E R W W R O Z H D W H E U K H G U D Q D Q I W K E R W W R O Z H D W I D D V W  
Z H H N \$ O H J Z L Q G Q L Q V K U H P D L Q Z D Q W E B W W G O X H U V L Q Q H [ W G D \ V 6 K H  
Z L Q G Q L Q V K V D P I Q X P E H R U E R W W H O D H F K D \

: K L F K W U G I S D J U V D I P R Z D / Z D \ W I R L Q M G W K Q X P E H R U Z D W E B W W \$ O H H V D  
Z L Q G Q L Q M U L Q Q D F R K I W K Q H [ W G D \ V "



5 D TU K D V H H Q U D Z R Q W K S H U R W U D D F W W I R R J Z Q



7 R F R Q V W D Q D F Q W J O W H K D X D P H D V X R J H f D Q R W K B E D G H G U D Z M Q K D W V W D D V S R L T Q D Q S D V V W K U R X J K

S R L Q W

S R L S W

S R L V W

S R L V W

0 D W K H P D W L F V  
3 D J H

GO ON

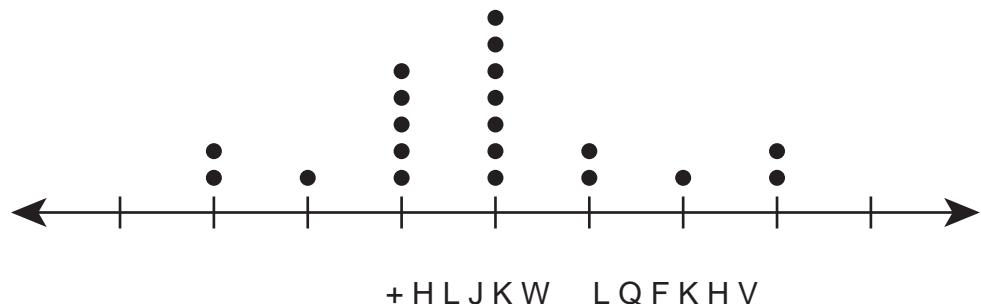
7 K HW D E VOKHR ZW KIHH L J KLVQ F KRIW KWVW X G HLOUV D U U L V R Q V V

6 W X G H Q W + H L J K W V

+ H L J K W	1 X P E H U	R I
L Q F K H V	6 W X G H Q W V	

0 U \* D U U L V R Q M K G R S O R W K R V K I H H L J K R W K V L V W X G H T Q W H R S O R W  
L V Q F R P S O H W H

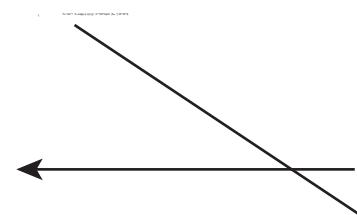
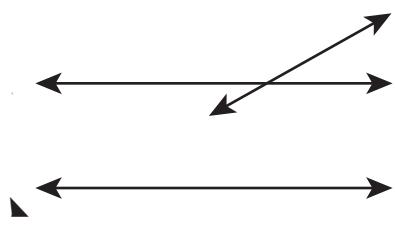
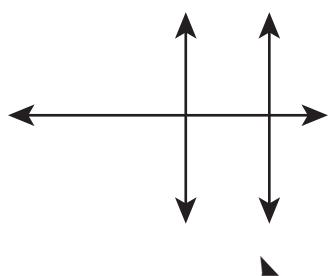
6 W X G H Q W + H L J K W V



: K D V K H L J K V Q F K I H V L V V L D Q G I D V S I R L Q V W K G R S O R W "

5 H F R V R G X D Q V Z B Q G L D Q W K E X E C R H Q V R X D Q V Z B B F X P H Q M W X U M R  
X V H V K H R U U S G D F B O X H

, QZ K L FOKU D Z LQQRJHOVL & HD S S H DUE HS H U S H Q G WFRD DODHU



— > —

— = —

— < —

O V : L O P H W R X J K W D J R I F D Q G L ( H D V F E D F R Q W D L Q B Q G L G H S X W Q  
H T X Q Q P E H R U W K H A B I Q G L Q W M B F R I J L I E V R [ H V

+ R Z P D Q F D Q G Z H W @ H R W H U "

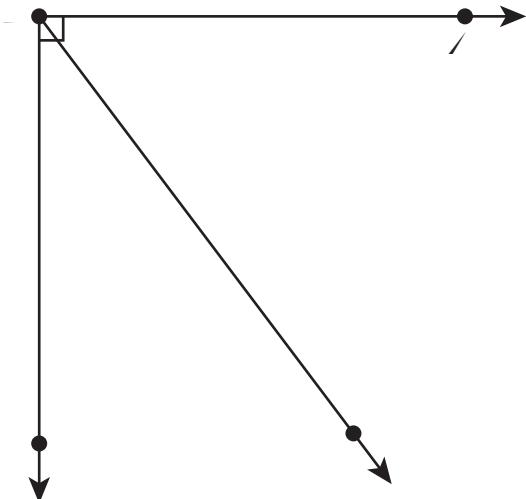
---

2 O L Y K L D V J D O O B Q G T X D U R W Y D Q L L O F O D U H D D P Q G J D O O D R Q Q G T X D U R W V  
F K R F R Q D W W H D O P H R W H I W R D S D U W \

: K D W W K W R V Q D X @ E H R U J D O O B Q G X D U R W V F R U H D M P K D W R Y D Y E R Y D O Y @ D € ð 0



7 K H P H D V X R J Q J W X Z L V f 7 K H P H D V X R J Q J W X Y L V f



: K D W W K P H D V X R J Q J O H

: K L F KI [ S U H V V K I D R I Q T X R W L R H I Q E V R X W

÷

÷

÷

÷

---

p 0      D !åø Poø Ø\$ø 0      D Wøi Wåø U i      D Wå ð ÷ i D Wçø      DOM 3 U P V R S l ö n p o - o

: R U N H D W



---

---


( D F K D W X U QUD ) U D Q N Q H Q F K S V D Q R H V V R Q V L P X V L V F F K R D Q G  
S L D Q R H V V R Q / W X G H Q R A P H I V

‡ ) R U H D F Q H V V D R M Q L P X V L V F F K R K Q F K D U J H V

‡ ) R U H D F Q H V V L R Q V W X G H Q R A P H K H F K D U J H V

: K L F K H R V I H T X D W I E R Q V H X V H Q R L Q n G W K D P R X Q W P R Q H L Q G R O O D U V  
0 U ) U D Q N H Q D Q Q Q U R S L D Q R H V V R Q F Q D W X U G D \ "

$$\times =$$

$$\times =$$

$$+ = m$$

$$\div =$$

$$\div =$$

$$+ = m$$

$$\times =$$

$$\times =$$

$$= m$$

$$\times =$$

$$\times =$$

$$+ = m$$



=H N X V H G F X S K L W X J D U F X S E U R Z Q X J D D Q G— F X S R I O R X U E D N H

V R P H R R N L H V

: K D V Z D W W K G L I I H U H E Q F W Z H M K D P R X C R W O R D Q Q W K H R P E L Q D H P G R X Q W  
R I V X J D = H N X V H G "

— F X S V

— F X S V

— F X S

— F X S

: K D V L W W K P H D V X R I D Q J R S T W R V K Q H D U H V W K H 0

\$ E D N H P D G H F D N H H D F C D V R U G D \ V H X V H G F X S R I I O R K R U H D F K  
F D N K H P D G H

: K D V Z D W W K W R V Q D X @ E H R U F X S R I I O R X W K E H D N H V H Q W K H V @ D \ V "

5 H F R U R G X D Q V Z B Q G L Q Q W K E H X E E O R H Q V R X D Q V Z B B F X P H Q W X U M R  
X V H W K I H R U U S @ D V F B O X H

---

7 K H W D E V O K H R Z W K D I P R X Q O W V O F & X O S @ L D D A öx D V @ Á & X O S H D ` € O P E V / R ` a


0 D U W K R D X J D Q H Z E R I R I F H U H D Q R Q Z H H N K D W H R I W K F H H U H D O

: K L F K V F O R V W W K I H U D F W R L I R Q F H H U H D K O K D G H I W "

/ H V W K D-Q W R K F H H U H Z D O O H I W

/ H V W K D-Q R I W K F H H U H Z D O O H I W

\$ E R X-W R I W K F H H U H Z D O O H I W

\$ E R X-W R I W K F H H U H Z D O O H I W

---

7 K H Q X P E H O U L Q K R Z S / R L Q W

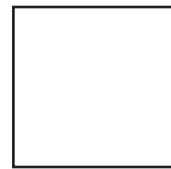
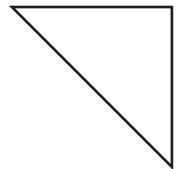
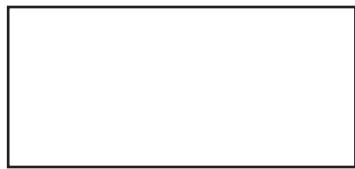


: K L F K X P E H G U R H S / R L Q W H S U H V R H Q Q W Q X P E H O U L Q H "

0 D W K H P D W L F V  
3 D J H Â 4%lvRb ^à !\$!vfBdB V H Q W



7 K H VSH R O \ J REQHO RLOOW KWHD P H U R X S



: K L F W W D W H E H QWH V F U MEKSH R O \ J RLOOW K U M R X S "

( D F IS R O \ J R QD \ W H DR/QMS D I RUS D U D \ D GHOV

( D F IS R O \ J R QD \ W H DR/QMR E W XD/QHJ OH

( D F IS R O \ J R QD \ W H DR/QM\ L J \ Q J OH

( D F IS R O \ J R QD \ W H DR/QMB F X \ Q J OH

7 K H W D E V O K H R Z W K U H O D W L R Q W I Z L H O K S R V L W R U D Q X P E H L O S D W W H U Q  
D Q G W Y D O X H

3 R V L W L	R Q	9 D O X H
		7 K H I K J

7 K H W D E V O K H R Z W K I H U D F W B R M Q K H X O O E W D Q G Q / R X E J O D V V U R V R P Z N V C E G I  
X V H V G L V S O D W Z R U N

\$ U W Z F R R U Q X O O % W D Q G V

7 H D F K H	U) U D F W I R R U Q \$ U W Z R U N
0 V % U D G \	—
0 U & K D Q U	—
0 V * X S W D	—
0 U 7 D \ O R U	—

: K L F K R P S D U U L W R Q X H "

— > —

— < —

— > —

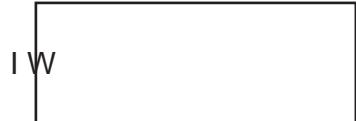
— < —

7 K HS H U L P H R W D H W H F W D Q E X O D E R W D Q G I H H W K L F I R R G H F R X O G R Z  
W K G L P H Q V I R R Q K E X O O E R W D Q Q H H W "

I W



I W



I W



I W



: KLF[K[SUHVWLWTOXLYDWIRQW

— + —

— + —+ —

— + —+ —+ —+ —+ —+ —+ —

— + —+ —+ —+ —+ —+ —+ —

ODWKHPDWLFV  
3DJH

% ( 685( <28 +\$9( 5(&25'(' \$// 2) <285 \$16:(56  
21 7+( \$16:(5 '2&80(17





