Benchmark Test : Grade 7 Math

1 **Benchmark: MA.7.A.3.1**

Which of the following will **always** result in an answer greater than 1?

A multiplying a whole number by a negative fraction that is less than $^{-}1$

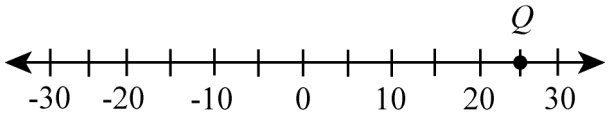
B multiplying two positive fractions that are both less than 1

C multiplying two negative fractions that are both greater than $^{-}1$

D multiplying two negative fractions that are both less than $^{-}1$

2 **Benchmark: MA.7.A.3.1**

What is the absolute value of the point represented by letter Q?



F $^{-}25$

G 0

H 25

I 30

3 **Benchmark: MA.7.A.3.1**

Which of these expressions has the **least** value?

A $^{-}9 + {}^{-}3$

B $^{-}9 \div {}^{-}3$

C $^{-}9 \times {}^{-}3$

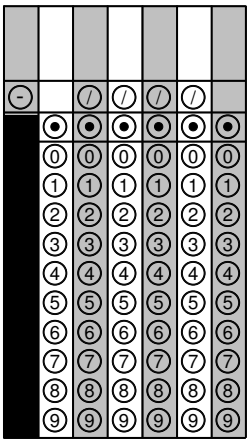
D $^{-}9 - {}^{-}3$

Go On

4 **Benchmark: MA.7.A.3.2**

What is the value of this expression?

$$(6 - 2)^3 + (4 + 5)^2$$



5 **Benchmark: MA.7.A.3.2**

What is the value of this expression?

$$7 + 4 \times (6 - 2)^2$$

A 15

B 71

C 176

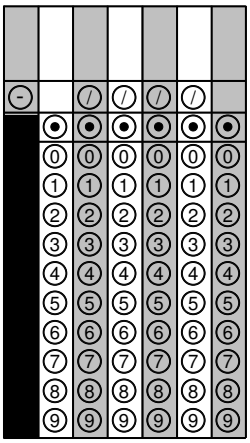
D 4,096

Go On

6 **Benchmark: MA.7.A.3.2**

What is the value of this expression?

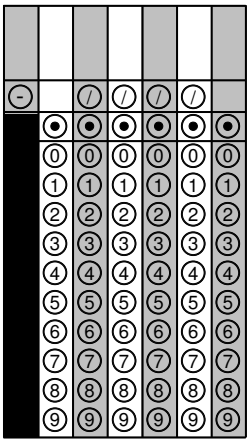
$$\frac{6 + 2^2}{8 - 6 \div 2}$$



7 **Benchmark: MA.7.A.3.2**

Carolyn and Kenya are driving their cars on the highway. Carolyn is driving 15 miles per hour over the speed limit. Kenya is driving 19 miles per hour under the speed limit.

What is the difference in their speeds in miles per hour?



Go On

8 **Benchmark: MA.7.A.3.2**

A 5-gallon bucket sits beneath a leaky gutter. At 2 p.m., the bucket was $\frac{1}{4}$ full. At 4 p.m., the bucket was $\frac{2}{3}$ full. How many gallons of water dripped into the bucket between 2 p.m. and 4 p.m.?

F $\frac{5}{12}$ gallons

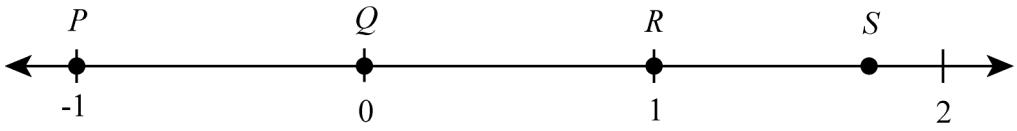
G $1\frac{1}{24}$ gallons

H $1\frac{1}{4}$ gallons

I $2\frac{1}{12}$ gallons

9 **Benchmark: MA.7.A.3.1**

The points P, Q, R, and S represent real numbers on the number line below.



Which of the following expressions is NOT equal to either P, Q, R, or S?

A $P + R$

B $P \times S$

C $R \times S$

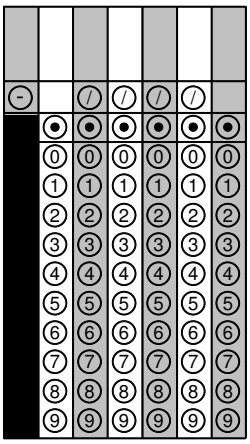
D $R \times P$

Go On

10 **Benchmark: MA.7.A.3.2**

What is the value of this expression?

$$(9 - 3 \times 2)^2$$



11 **Benchmark: MA.7.A.3.1**

Which of these expressions has the **greatest** value?

A $^{-}3 - {}^{-}6$

B $^{-}3 \times {}^{-}6$

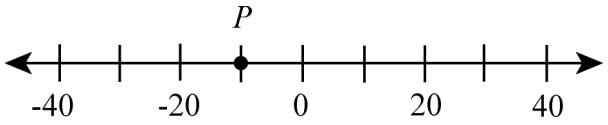
C $^{-}3 + {}^{-}6$

D $^{-}3 \div {}^{-}6$

Go On

12 **Benchmark: MA.7.A.3.1**

What is the absolute value of the point represented by letter *P*?



F $^{-}10$

G $^{-}5$

H 5

I 10

13 **Benchmark: MA.7.A.3.2**

Which of the following numbers when multiplied by $\frac{5}{14}$ is equal to 1?

A 0.75

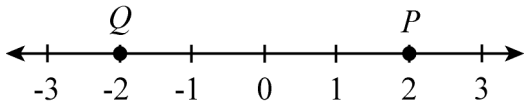
B 1.1

C 1.4

D 2.8

14 **Benchmark: MA.7.A.3.1**

Look at the number line below.



Which expression represents the distance between *P* and *Q* on the number line?

F $|^{-}2 + 2|$

G $|2 - {}^{-}2|$

H $2 + {}^{-}2$

I $|2| - |^{-}2|$

Go On

15 **Benchmark: MA.7.A.3.2**

A blues musician signed a contract to do a concert at Municipal Auditorium. The contract stated that the musician will receive 40% of the money from ticket sales. Tickets cost $14.35, and 2,318 tickets were sold. How much money should the blue musician receive from ticket sales?

A $13,305.32

B $13,592.54

C $13,830.85

D $14,119.28

16 **Benchmark: MA.7.A.3.2**

A 2-liter bottle of soda was $\frac{7}{8}$ full. Lauren drank some of the soda, and when she was finished, the bottle was $\frac{2}{3}$ full. How many liters of soda did Lauren drink?

F $\frac{5}{24}$ liter

G $\frac{5}{16}$ liter

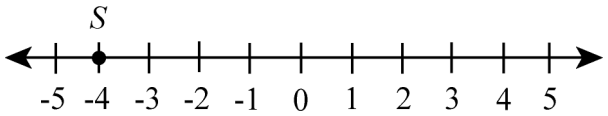
H $\frac{5}{12}$ liter

I $\frac{5}{6}$ liter

Go On

17 **Benchmark: MA.7.A.3.1**

What is the absolute value of the point represented by letter *S*?



A $^{-}4$

B 0

C 1

D 4

18 **Benchmark: MA.7.A.3.1**

What is the result of subtracting a number greater than $^{-}6$ and less than $^{-}4$ from a number greater than zero and less than 1?

F a number less than $^{-}3$

G a number less than zero

H a number greater than 4

I a number greater than 7

19 **Benchmark: MA.7.A.3.2**

What is the value of this expression?

$$21 \div \frac{3}{8} - 4^2 \times \frac{1}{2}$$

A $\frac{21}{8}$

B 34

C 48

D 1,352

Go On

20 **Benchmark: MA.7.A.3.1**

What is the result of subtracting a number greater than -3 and less than -2 from a number greater than 1 and less than 6?

F a number greater than 3

G a number greater than 4

H a number less than 3

I a number less than 4

Benchmark Test : Grade 7 Math

Name _____ **Date** _____

Class/Grade _____

DIRECTIONS FOR MARKING ANSWER SHEET
- Use a #2 pencil only.
- Do NOT use ink or ballpoint pens.
- Make heavy black marks that fill the ovals completely.
- Erase clearly any answer you wish to change.
- Make no stray marks on the answer sheet.

1 Ⓐ Ⓑ Ⓒ Ⓓ	6 Respond in Test	11 Ⓐ Ⓑ Ⓒ Ⓓ	16 Ⓕ Ⓖ Ⓗ Ⓘ
2 Ⓕ Ⓖ Ⓗ Ⓘ	7 Respond in Test	12 Ⓕ Ⓖ Ⓗ Ⓘ	17 Ⓐ Ⓑ Ⓒ Ⓓ
3 Ⓐ Ⓑ Ⓒ Ⓓ	8 Ⓕ Ⓖ Ⓗ Ⓘ	13 Ⓐ Ⓑ Ⓒ Ⓓ	18 Ⓕ Ⓖ Ⓗ Ⓘ
4 Respond in Test	9 Ⓐ Ⓑ Ⓒ Ⓓ	14 Ⓕ Ⓖ Ⓗ Ⓘ	19 Ⓐ Ⓑ Ⓒ Ⓓ
5 Ⓐ Ⓑ Ⓒ Ⓓ	10 Respond in Test	15 Ⓐ Ⓑ Ⓒ Ⓓ	20 Ⓕ Ⓖ Ⓗ Ⓘ