Grade 7 Math

Beginning-of-Year Assessment

SCORE / 33

Name: _____ **Date:** _____ **Class:** _____

1 Simplify each ratio. / 3

10 : 15 = _____

21 : 28 = _____

16 to 20 = _____

2 Solve the problem. / 2

A printer prints 150 pages in 5 minutes. What is the unit rate in pages per minute?

Show your work

Answer: _____

3 Compare the integers. Write >, < or = in each circle. / 3

-7 ◯ -2 -10 ◯ -11 4 ◯ -6

4 Divide the fractions. / 3

$\frac{3}{4} \div \frac{1}{2} =$ ☐ $\frac{5}{6} \div \frac{2}{3} =$ ☐ $4 \div \frac{2}{5} =$ ☐

5 **Evaluate using the order of operations.** / 3

$4^2 - 6 =$ ☐ $3 \times (8 - 2) + 1 =$ ☐

$2^3 + 5 =$ ☐

6 **Evaluate each expression when x = 6 and y = 3.** / 3

$4x - 3 =$ _____

$3y + x =$ _____

$x \div y + 1 =$ _____

7 **Solve each one-step equation.** / 4

$x + 9 = 20$ $x =$ _____ $y - 5 = 14$ $y =$ _____

$6n = 42$ $n =$ _____ $m \div 4 = 9$ $m =$ _____

8 **Find each percent of a number.** / 3

20% of 60 = _____

50% of 86 = _____

75% of 32 = _____

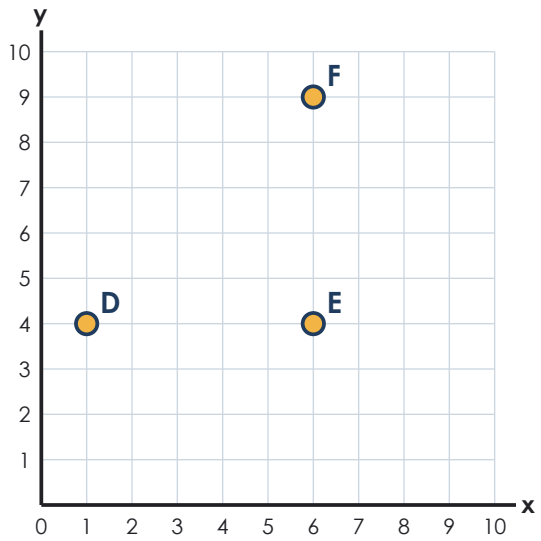
9 **Solve the problem.** / 2

A fish tank shaped like a rectangular prism is 2 ft long, 1.5 ft wide and 1 ft tall. What is its volume?

Show your work

Answer: _____

10 **Write the ordered pair for each point.** / 3



D (____ , ____)

E (____ , ____)

F (____ , ____)

11 **Data: 3, 5, 5, 9, 13. Find each value.** / 4

Mean = _____ Median = _____

Mode = _____ Range = _____

Great work! Check your answers before you hand in your test.

Grade 7 Math

Beginning-of-Year Assessment

ANSWER KEY

SCORE / 33

Name: _____ **Date:** _____ **Class:** _____

1 Simplify each ratio.

6.RP.1 / 3

10 : 15 = **2 : 3**

21 : 28 = **3 : 4**

16 to 20 = **4 to 5**

2 Solve the problem.

6.RP.2 / 2

A printer prints 150 pages in 5 minutes. What is the unit rate in pages per minute?

Show your work

Answer: **30 pages per minute**

3 Compare the integers. Write >, < or = in each circle.

6.NS.7 / 3

-7 **<** -2 -10 **>** -11 4 **>** -6

4 Divide the fractions.

6.NS.1 / 3

$\frac{3}{4} \div \frac{1}{2} =$ **3/2** $\frac{5}{6} \div \frac{2}{3} =$ **5/4** $4 \div \frac{2}{5} =$ **10**

5 **Evaluate using the order of operations.** 6.EE.1 / 3

$4^2 - 6 =$ **10**

$3 \times (8 - 2) + 1 =$ **19**

$2^3 + 5 =$ **13**

6 **Evaluate each expression when x = 6 and y = 3.** 6.EE.2c / 3

$4x - 3 =$ **21**

$3y + x =$ **15**

$x \div y + 1 =$ **3**

7 **Solve each one-step equation.** 6.EE.7 / 4

$x + 9 = 20$ $x =$ **11**

$y - 5 = 14$ $y =$ **19**

$6n = 42$ $n =$ **7**

$m \div 4 = 9$ $m =$ **36**

8 **Find each percent of a number.** 6.RP.3c / 3

20% of 60 = **12**

50% of 86 = **43**

75% of 32 = **24**

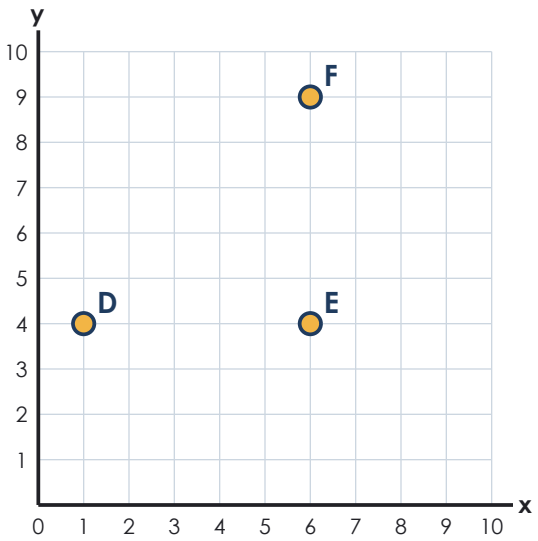
9 **Solve the problem.** 6.G.2 / 2

A fish tank shaped like a rectangular prism is 2 ft long, 1.5 ft wide and 1 ft tall. What is its volume?

Show your work

Answer: 3 cubic feet

10 **Write the ordered pair for each point.** 6.G.3 / 3



D (1 , 4)

E (6 , 4)

F (6 , 9)

11 **Data: 3, 5, 5, 9, 13. Find each value.** 6.SP.5 / 4

Mean = 7

Median = 5

Mode = 5

Range = 10

Great work! Check your answers before you hand in your test.

Grade 7 Reading & ELA

Beginning-of-Year Assessment

SCORE / 22

Name: _____ **Date:** _____ **Class:** _____

The Group Chat

FICTION

Maya noticed it first during lunch: Priya and Jade kept glancing at their phones and smiling, then quickly tucking them away whenever she sat down. By Wednesday, she was sure of it. She had been removed from the group chat.

She spent two days replaying every conversation from the past month, searching for the moment she must have said something wrong. Had she complained too much about the science project? Laughed too loud at the wrong joke?

On Friday, Jade finally slid into the seat beside her. "Don't open your phone tonight," Jade said, failing to hide a grin. "Just trust me." Maya's stomach tightened, bracing for something worse than being excluded.

That evening, her phone buzzed with forty notifications at once: a new chat titled "Operation Maya's Birthday," filled with cake designs and inside jokes about her love of terrible puns. She had not been removed from anything. She had been protected from spoiling her own surprise.

Maya read every message twice, laughing at how convinced she had been that something was wrong, when the truth was the opposite: her friends had been working all week to make her birthday perfect.

1 **Choose the best answer.** / 1

Why does Maya believe she has been removed from the group chat?

- (A) Her friends tell her directly.
- (B) She notices them hiding their phones and acting differently around her.
- (C) She reads a message about it.
- (D) She asks Jade and is told yes.

2 **Choose the best answer.** / 1

How does the setting of a shared group chat shape the conflict in the story?

(A) It allows Maya's friends to plan a surprise without her noticing right away, which leads to her false assumption.
(B) It has no effect on the story.
(C) It causes Maya and her friends to argue online.
(D) It prevents Maya's friends from communicating at all.

3 **Choose the best answer.** / 1

What does Maya's reaction in paragraph 2 reveal about her?

(A) She tends to blame herself without clear evidence.
(B) She is certain her friends are planning something nice.
(C) She does not care what her friends think.
(D) She plans to confront her friends immediately.

4 **Choose the best answer.** / 1

Which theme is best supported by the story?

(A) Assumptions can lead us to the wrong conclusion.
(B) Friends should always share their plans immediately.
(C) Group chats always cause problems.
(D) Birthdays are not important.

5 **Answer in complete sentences.** / 2

How does Maya's understanding of the situation change from the beginning of the story to the end? Use two details from the text.

The Hidden Cost of Fast Fashion

INFORMATIONAL

Every year, people around the world buy about eighty billion new pieces of clothing, nearly 60% more than just fifteen years ago. Much of this growth comes from an industry known as fast fashion, which produces trendy, inexpensive clothing at an extremely rapid pace.

The speed comes at a cost. Producing a single cotton t-shirt can require more than 700 gallons of water, and dyeing fabric is one of the largest sources of water pollution worldwide, especially in countries where factories discharge chemicals directly into rivers.

Workers also pay a price. Many fast fashion garments are sewn in factories where employees work long hours for low wages, often in unsafe conditions. Investigations have repeatedly found violations, yet demand for cheap, fast-changing styles continues to grow.

Some companies have begun responding with recycled fabrics and fair labor certifications, but critics argue that true change will require consumers to buy fewer, longer-lasting items rather than chasing the latest trend.

6 **Choose the best answer.** / 1

According to the passage, what is one environmental cost of fast fashion?

(A) Dyeing fabric pollutes water sources.
(B) Clothes last too long.
(C) Factories use too little water.
(D) Workers are paid very high wages.

7 **Choose the best answer.** / 1

What is the central idea of the passage?

(A) Fast fashion has serious environmental and human costs despite its popularity.
(B) Fast fashion is entirely good for the economy.
(C) Cotton t-shirts require no water to produce.
(D) Workers in clothing factories are always treated fairly.

8 **Choose the best answer.** / 1

How does paragraph 4 relate to the rest of the passage?

(A) It presents possible solutions and a counterargument to consider.
(B) It repeats information from paragraph 1.
(C) It introduces a completely new, unrelated topic.
(D) It contradicts the main idea with no explanation.

9 **Choose the best answer.** / 1

Which sentence best supports the claim that fast fashion harms workers?

(A) Many fast fashion garments are sewn in factories where employees work long hours for low wages, often in unsafe conditions.
(B) People buy about eighty billion new pieces of clothing every year.
(C) A single t-shirt can require 700 gallons of water.
(D) Some companies use recycled fabrics.

10 **Identify the clause or sentence type.** / 2

Which part of the sentence is a dependent clause? "Because she worried about the project, Maya stayed up late."

(A) Because she worried about the project
(B) Maya stayed up late
(C) stayed up late
(D) the project

Which sentence is a complex sentence?

(A) Maya read the messages, and she laughed.
(B) Although she was nervous, Maya opened her phone.
(C) Maya opened her phone.

11 **Rewrite each sentence, adding commas between coordinate adjectives.** / 2

It was a long exhausting week.

_____

She sent a short funny message.

_____

12 **Use the meaning of the root to answer.** / 2

Bene means "good." A benefit is something that is

(A) helpful or good
(B) harmful
(C) boring
(D) expensive

Dict means "to say." To predict is to

(A) say something before it happens
(B) say something loudly
(C) refuse to speak
(D) repeat a word

13 **What does each phrase suggest?** / 2

"Her stomach tightened" suggests Maya felt

(A) hungry (B) anxious (C) relaxed (D) excited only

Calling the factories' water pollution "a hidden cost" suggests that this cost is

(A) obvious to everyone
(B) not immediately visible to shoppers
(C) more important than any other cost
(D) completely untrue

14 Writing

/ 4

Should schools require students to learn about where their clothes come from? Write an argument with a clear claim, at least two reasons supported by evidence, and a conclusion.

How did it go?

Color the face that shows how you feel about this test.



I've got this!



Getting there



I need help

The easiest part was _____

I want more practice with _____

Great work! Check your answers before you hand in your test.

Grade 7 Reading & ELA

Beginning-of-Year Assessment

ANSWER KEY

SCORE / 22

Name: _____ **Date:** _____ **Class:** _____

The Group Chat

FICTION

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Maya read every message twice, laughing at how convinced she had been that something was wrong, when the truth was the opposite: her friends had been working all week to make her birthday perfect.

1 **Choose the best answer.** RL.7.1 / 1

Why does Maya believe she has been removed from the group chat?

- (A) Her friends tell her directly.
- (B) She notices them hiding their phones and acting differently around her.
- (C) She reads a message about it.
- (D) She asks Jade and is told yes.

2 **Choose the best answer.** RL.7.3 / 1

How does the setting of a shared group chat shape the conflict in the story?

(A) It allows Maya's friends to plan a surprise without her noticing right away, which leads to her false assumption.
(B) It has no effect on the story.
(C) It causes Maya and her friends to argue online.
(D) It prevents Maya's friends from communicating at all.

3 **Choose the best answer.** RL.7.3 / 1

What does Maya's reaction in paragraph 2 reveal about her?

(A) She tends to blame herself without clear evidence.
(B) She is certain her friends are planning something nice.
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(D) She plans to confront her friends immediately.

4 **Choose the best answer.** RL.7.2 / 1

Which theme is best supported by the story?

(A) Assumptions can lead us to the wrong conclusion.
(B) Friends should always share their plans immediately.
(C) Group chats always cause problems.
(D) Birthdays are not important.

5 **Answer in complete sentences.** RL.7.1 / 2

How does Maya's understanding of the situation change from the beginning of the story to the end? Use two details from the text.

Sample: At first, Maya believes she has done something wrong and has been excluded. By the end, she learns her friends were secretly planning her birthday, and her worry turns into relief and happiness.

The Hidden Cost of Fast Fashion

INFORMATIONAL

Every year, people around the world buy about eighty billion new pieces of clothing, nearly 60% more than just fifteen years ago. Much of this growth comes from an industry known as fast fashion, which produces trendy, inexpensive clothing at an extremely rapid pace.

The speed comes at a cost. Producing a single cotton t-shirt can require more than 700 gallons of water, and dyeing fabric is one of the largest sources of water pollution worldwide, especially in countries where factories discharge chemicals directly into rivers.

Workers also pay a price. Many fast fashion garments are sewn in factories where employees work long hours for low wages, often in unsafe conditions. Investigations have repeatedly found violations, yet demand for cheap, fast-changing styles continues to grow.

Some companies have begun responding with recycled fabrics and fair labor certifications, but critics argue that true change will require consumers to buy fewer, longer-lasting items rather than chasing the latest trend.

6 **Choose the best answer.**

RI.7.1 / 1

According to the passage, what is one environmental cost of fast fashion?

(A) Dyeing fabric pollutes water sources.
(B) Clothes last too long.
(C) Factories use too little water.
(D) Workers are paid very high wages.

7 **Choose the best answer.** RI.7.2 / 1

What is the central idea of the passage?

(A) Fast fashion has serious environmental and human costs despite its popularity.
(B) Fast fashion is entirely good for the economy.
(C) Cotton t-shirts require no water to produce.
(D) Workers in clothing factories are always treated fairly.

8 **Choose the best answer.** RI.7.3 / 1

How does paragraph 4 relate to the rest of the passage?

(A) It presents possible solutions and a counterargument to consider.
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(C) It introduces a completely new, unrelated topic.
(D) It contradicts the main idea with no explanation.

9 **Choose the best answer.** RI.7.8 / 1

Which sentence best supports the claim that fast fashion harms workers?

(A) Many fast fashion garments are sewn in factories where employees work long hours for low wages, often in unsafe conditions.
(B) People buy about eighty billion new pieces of clothing every year.
(C) A single t-shirt can require 700 gallons of water.
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10 **Identify the clause or sentence type.** L.7.1 / 2

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Which sentence is a complex sentence?

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11 **Rewrite each sentence, adding commas between coordinate adjectives.** L.7.2 / 2

It was a long exhausting week.

It was a long, exhausting week.

She sent a short funny message.

She sent a short, funny message.

12 **Use the meaning of the root to answer.** L.7.4 / 2

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(A) helpful or good
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(A) obvious to everyone
(B) not immediately visible to shoppers
(C) more important than any other cost
(D) completely untrue

14 Writing

W.7.1 / 4

Should schools require students to learn about where their clothes come from? Write an argument with a clear claim, at least two reasons supported by evidence, and a conclusion.

Sample: Schools should teach students about where their clothes come from. First, understanding the environmental cost of fast fashion, such as water pollution from dyeing fabric, helps students make more responsible choices. Second, learning about factory conditions builds awareness of global labor issues. For these reasons, this topic deserves a place in the classroom.

How did it go?

Color the face that shows how you feel about this test.



I've got this!



Getting there



I need help

The easiest part was _____

I want more practice with _____

Great work! Check your answers before you hand in your test.