

Aula TEKS Visual Audit

Grade 4 - Decimals and Fractions

Mode: audit key (metadata, correct answer, explanation)

Standards: 15

Representative pages: 97

Family/template coverage warnings: 2

This PDF samples every observed deterministic family/template/visual combination and retains difficulty representatives. It is intended for page-by-page visual and mathematical inspection.

4.2(A) - Interpret the value of each place-value position as 10 times the position to the right and one-tenth of the position to the left.

Samples: 7

Missing families: [place_value_relationship_statement](#),
[place_value_ten_times_comparison](#),
[place_value_one_tenth_comparison](#)

4.2(B) - Represent the value of digits in whole numbers through 1,000,000,000 and decimals to the hundredths using numerals and place-value reasoning.

Samples: 7

4.2(C) - Compare and order whole numbers to 1,000,000,000 and represent comparisons using $>$, $<$, or $=$.

Samples: 7

4.2(D) - Round whole numbers to a given place value through the hundred thousands place.

Samples: 12

4.2(E) - Represent decimals, including tenths and hundredths, using concrete and visual models and money.

Samples: 7

4.2(F) - Compare and order decimals using concrete and visual models to the hundredths.

Samples: 4

4.2(G) - Relate decimals to fractions that name tenths and hundredths, including equivalent whole-and-decimal, improper-fraction, and mixed-number forms.

Samples: 15

4.2(H) - Determine the decimal represented by a specified point on a number line to the tenths or hundredths.

Samples: 4

4.3(A) - Represent a fraction a/b as a sum of unit fractions $1/b$.

Samples: 5

4.3(B) - Decompose a fraction in more than one way into a sum of fractions with the same denominator.

Samples: 4

Missing templates: [text_mcq](#)

4.3(C) - Determine whether two fractions are equivalent using a variety of methods.

Samples: 6

4.3(D) - Compare two fractions with different numerators and denominators using $>$, $=$, or $<$.

Samples: 6

4.3(E) - Represent and solve addition and subtraction of fractions with equal denominators using objects and pictorial models.

Samples: 5

4.3(F) - Evaluate the reasonableness of sums and differences of fractions using benchmark fractions 0, $1/4$, $1/2$, $3/4$, and 1, referring to the same whole.

Samples: 4

4.3(G) - Represent fractions and decimals to the tenths or hundredths as distances from zero on a number line.

Samples: 4

Question 1

Each number has the same digit circled and underlined. In which THREE numbers is the circled digit 10 times the value of the underlined digit?

Select THREE correct answers.

The circled digit must be 10 times the value of the underlined digit.

A 33

B 55

C 338

D 3.3

E 2.32

F 88,596

A. Number A

B. Number B

C. Number C

D. Number D

E. Number E

F. Number F

Correct: C, D, F

Choice labels: A, B, C, D, E, F

Explanation: C, D, F show the circled copy of the digit exactly one place to the left of the underlined copy, so the circled value is 10 times as great.

Source pattern: grade4_deterministic_4_2_A_circled_underlined_digit_multiselect

Question 2

Look at the marked digits in the number. Which statement describes their place-value relationship?

Place-Value Relationship

Compare the circled digit to the underlined digit.

⑧ , 8 6 7

A. The circled digit is 10 times the value of the underlined digit.

B. The circled digit is one-tenth the value of the underlined digit.

C. The circled digit is 100 times the value of the underlined digit.

D. The circled digit has the same value as the underlined digit.

Correct: A

Choice labels: A, B, C, D

Explanation: The circled 8 is in the thousands place and the underlined 8 is in the hundreds place. The circled value is 10 times the underlined value.

Source pattern: grade4_deterministic_4_2_A_circled_underlined_digit_relationship

Question 3

Look at the marked digits in the number. Which statement describes their place-value relationship?

Place-Value Relationship

Compare the circled digit to the underlined digit.

7 . 8 ⑧

A. The circled digit is one-tenth the value of the underlined digit.

B. The circled digit is 10 times the value of the underlined digit.

C. The circled digit is 100 times the value of the underlined digit.

D. The circled digit has the same value as the underlined digit.

Correct: A

Choice labels: A, B, C, D

Explanation: The circled 8 is in the hundredths place and the underlined 8 is in the tenths place. The circled value is one-tenth the underlined value.

Source pattern: grade4_deterministic_4_2_A_circled_underlined_digit_relationship

Question 4

Look at the marked digits in the number. Which statement describes their place-value relationship?

Place-Value Relationship

Compare the circled digit to the underlined digit.

8 8

A. The circled digit is one-tenth the value of the underlined digit.

B. The circled digit is 10 times the value of the underlined digit.

C. The circled digit is 100 times the value of the underlined digit.

D. The circled digit has the same value as the underlined digit.

Correct: A

Choice labels: A, B, C, D

Explanation: The circled 8 is in the ones place and the underlined 8 is in the tens place. The circled value is one-tenth the underlined value.

Source pattern: grade4_deterministic_4_2_A_circled_underlined_digit_relationship

Question 5

Which TWO statements correctly describe the repeated digit in 44.44?

A. The value of the repeated digit in the hundredths place is 10 times the value of the repeated digit in the tenths place.

B. The repeated digit has the same value in the ones place and the tenths place.

C. The value of the repeated digit in the ones place is 10 times the value of the repeated digit in the tenths place.

D. The value of the repeated digit in the tens place is 10 times the value of the repeated digit in the ones place.

E. The value of the repeated digit in the tens place is one-tenth the value of the repeated digit in the ones place.

Correct: C, D

Choice labels: A, B, C, D, E

Explanation: For adjacent base-ten positions, a digit is 10 times as valuable one place to the left and one-tenth as valuable one place to the right.

Source pattern: grade4_deterministic_4_2_A_statement_multiselect

Question 6

Consider the number 2,251. The digit 2 appears in both the thousands place and the hundreds place. Which statement is true?

A. The digit has the same value in the thousands place and the hundreds place.

B. The value of the digit in the thousands place is 10 times the value of the same digit in the hundreds place.

C. The value of the digit in the thousands place is one-tenth the value of the same digit in the hundreds place.

D. The value of the digit in the thousands place is 100 times the value of the same digit in the hundreds place.

Correct: B

Choice labels: A, B, C, D

Explanation: The thousands-place 2 is 10 times the value of the hundreds-place 2.

Source pattern: grade4_deterministic_4_2_A_statement_relationship

Question 7

A class is discussing the number 7.7. The digit 7 appears in both the tenths place and the ones place. Which statement is true?

A. The digit has the same value in the tenths place and the ones place.

B. The value of the digit in the tenths place is 10 times the value of the same digit in the ones place.

C. The value of the digit in the tenths place is 100 times the value of the same digit in the ones place.

D. The value of the digit in the tenths place is one-tenth the value of the same digit in the ones place.

Correct: D

Choice labels: A, B, C, D

Explanation: The tenths-place 7 is one-tenth the value of the ones-place 7.

Source pattern: grade4_deterministic_4_2_A_statement_relationship

Question 8

What numeral is represented by the values in the table?

Expanded Notation	
PLACE	VALUE
Thousands	$1 \times 1,000$
Hundreds	3×100

A. 1,400

B. 1,310

C. 2,300

D. 1,300

Correct: D
Choice labels: A, B, C, D
Explanation: Adding the place-value terms gives 1,300.
Source pattern: grade4_deterministic_4_2_B_place_value_chart_expanded_notation

Question 9

Which value is represented by the digit in the thousands column?

Place-Value Chart					
Number: 4,415.12					
1,000	100	10	1	0.1	0.01
4	4	1	5	1	2

- A. 4,001
- B. 4,010
- C. 4,100
- D. 4,000

Correct: D
Choice labels: A, B, C, D
Explanation: The thousands-place digit is 4, so its value is 4,000.
Source pattern: grade4_deterministic_4_2_B_place_value_chart_expanded_notation

Question 10

Select the expanded notation for 579.

A. $(6 \times 100) + (7 \times 10) + (9 \times 1)$

B. $(5 \times 100) + (8 \times 10) + (9 \times 1)$

C. $(5 \times 100) + (7 \times 10) + (7 \times 1)$

D. $(5 \times 100) + (7 \times 10) + (9 \times 1)$

Correct: D

Choice labels: A, B, C, D

Explanation: In expanded form, 579 is $(5 \times 100) + (7 \times 10) + (9 \times 1)$.

Source pattern: grade4_deterministic_4_2_B_expanded_notation_staar_style

Question 11

The expanded notation is shown.

$$(4 \times 10,000) + (7 \times 1,000) + (7 \times 100) + (5 \times 10) + (2 \times 1) + (5 \times 0.1) + (9 \times 0.01)$$

What is the number in word form?

A. forty-seven thousand, seven hundred sixty-two and fifty-nine hundredths

B. forty-seven thousand, seven hundred fifty-two and fifty-nine hundredths

C. forty-eight thousand, seven hundred fifty-two and fifty-nine hundredths

D. forty-seven thousand, eight hundred fifty-two and fifty-nine hundredths

Correct: B

Choice labels: A, B, C, D

Explanation: $(4 \times 10,000) + (7 \times 1,000) + (7 \times 100) + (5 \times 10) + (2 \times 1) + (5 \times 0.1) + (9 \times 0.01)$ equals 47,752.59, written as forty-seven thousand, seven hundred fifty-two and fifty-nine hundredths.

Source pattern: grade4_deterministic_4_2_B_expanded_notation_staar_style

Question 12

What value does the digit in the tens place of 8,019 represent?

A. 10

B. 100

C. 11

D. 1

Correct: A

Choice labels: A, B, C, D

Explanation: The digit in the tens place is 1, so its value is 10.

Source pattern: grade4_deterministic_4_2_B_expanded_notation_staar_style

Question 13

Which value is represented by the digit in the hundred thousands place of 4,959,092.4?

A. 90,000

B. 100,000

C. 9

D. 900,000

Correct: D

Choice labels: A, B, C, D

Explanation: The digit in the hundred thousands place is 9, so its value is 900,000.

Source pattern: grade4_deterministic_4_2_B_expanded_notation_staar_style

Question 14

Use the expanded notation to identify the numeral.

$$(5 \times 100) + (5 \times 10) + (4 \times 1)$$

Which number is represented?

A. 564

B. 554

C. 654

D. 555

Correct: B

Choice labels: A, B, C, D

Explanation: The expanded terms total 554.

Source pattern: grade4_deterministic_4_2_B_expanded_notation_staar_style

Question 15

After comparing all four table values, which museum is least?

Museum Attendance	
MUSEUM	VISITORS
Discovery Museum	719,551
History Museum	721,551
Nature Museum	719,951
Science Museum	720,551

A. History Museum

B. Discovery Museum

C. Nature Museum

D. Science Museum

Correct: B
Choice labels: A, B, C, D
Explanation: Discovery Museum has the least value in the table.
Source pattern: grade4_deterministic_4_2_C_whole_number_compare_table

Question 16

Which museum is second after the whole-number values are sorted from least to greatest?

Museum Attendance	
MUSEUM	VISITORS
Nature Museum	885,425
Science Museum	888,025
Discovery Museum	885,825
History Museum	886,625

A. Nature Museum

B. Science Museum

C. History Museum

D. Discovery Museum

Correct: D
Choice labels: A, B, C, D
Explanation: Ordering the values from least to greatest places Discovery Museum second.
Source pattern: grade4_deterministic_4_2_C_whole_number_compare_table

Question 17

Use the table. After ordering the values from greatest to least, which center is second?

Community Recycling	
CENTER	ITEMS RECYCLED
North Center	39,105,031
South Center	39,099,031
West Center	39,102,031
East Center	39,094,031

- A. West Center
- B. East Center
- C. North Center
- D. South Center

Correct: A
Choice labels: A, B, C, D
Explanation: Ordering the values from greatest to least places West Center second.
Source pattern: grade4_deterministic_4_2_C_whole_number_compare_table

Question 18

Compare the place values in 359,638 • 361,038 • 358,838 • 361,438. Which answer gives the greatest to least order?

A. 358,838; 359,638; 361,038; 361,438

B. 361,438; 361,038; 358,838; 359,638

C. 361,438; 361,038; 359,638; 358,838

D. 361,438; 359,638; 361,038; 358,838

Correct: C

Choice labels: A, B, C, D

Explanation: Compare the highest place where the numbers differ. The correct order is 361,438; 361,038; 359,638; 358,838.

Source pattern: grade4_deterministic_4_2_C_whole_number_compare_order

Question 19

Which comparison statement is correct?

A. $487,831 < 488,231$

B. $487,831 > 488,231$

C. $487,831 = 488,231$

D. $488,231 < 487,831$

Correct: A

Choice labels: A, B, C, D

Explanation: Compare the whole numbers from the greatest place value to the least. $487,831 < 488,231$ is true.

Source pattern: grade4_deterministic_4_2_C_whole_number_compare_order

Question 20

Which comparison statement is correct?

A. $399,367,831 < 399,407,831$

B. $399,367,831 > 399,407,831$

C. $399,367,831 = 399,407,831$

D. $399,407,831 < 399,367,831$

Correct: A

Choice labels: A, B, C, D

Explanation: Compare the whole numbers from the greatest place value to the least. $399,367,831 < 399,407,831$ is true.

Source pattern: grade4_deterministic_4_2_C_whole_number_compare_order

Question 21

Which comparison statement is correct?

A. $487,831 < 488,231$

B. $487,831 > 488,231$

C. $487,831 = 488,231$

D. $488,231 < 487,831$

Correct: A

Choice labels: A, B, C, D

Explanation: Compare the whole numbers from the greatest place value to the least. $487,831 < 488,231$ is true.

Source pattern: grade4_deterministic_4_2_C_whole_number_compare_order

Question 22

What digit determines whether 250,361 rounds up or down when rounding to the nearest thousand?

A. 9

B. 0

C. 3

D. 4

Correct: C

Choice labels: A, B, C, D

Explanation: The digit one place to the right of the thousand place in 250,361 is 3, so that digit determines the rounding direction.

Source pattern: grade4_deterministic_4_2_D_whole_number_rounding_decision_digit

Question 23

Round the whole number 384,629 to the nearest hundred thousand. What is the result?

A. 380,000

B. 400,000

C. 500,000

D. 300,000

Correct: B

Choice labels: A, B, C, D

Explanation: To round 384,629 to the nearest hundred thousand, look at the digit one place to the right (8). The rounded value is 400,000.

Source pattern: grade4_deterministic_4_2_D_whole_number_rounding_hundred_thousand

Question 24

A warehouse counted 72,616 packages. Round 72,616 to the nearest hundred. What is the rounded value?

A. 73,000

B. 72,600

C. 72,620

D. 72,500

Correct: B

Choice labels: A, B, C, D

Explanation: To round 72,616 to the nearest hundred, look at the digit one place to the right (1). The rounded value is 72,600.

Source pattern: grade4_deterministic_4_2_D_whole_number_rounding_hundred

Question 25

Which whole number rounds to 160,000 when rounded to the nearest ten thousand?

A. 148,334

B. 154,999

C. 161,666

D. 165,000

Correct: C

Choice labels: A, B, C, D

Explanation: 161,666 is within the interval that rounds to 160,000 at the nearest ten thousand.

Source pattern: grade4_deterministic_4_2_D_whole_number_rounding_reverse

Question 26

A report lists 334,495. Which choice correctly rounds this whole number?

A. Rounded to the nearest hundred thousand, the number is 400,000.

B. Rounded to the nearest ten, the number is 334,500.

C. Rounded to the nearest hundred, the number is 334,600.

D. Rounded to the nearest thousand, the number is 335,000.

Correct: B

Choice labels: A, B, C, D

Explanation: 334,495 rounds to 334,500 at the nearest ten.

Source pattern: grade4_deterministic_4_2_D_whole_number_rounding_statement

Question 27

Use the table. Which number rounds to 60,770 when rounded to the nearest ten?

Library Records	
BRANCH	CHECKOUTS
Brook Branch	60,781
Elm Branch	60,771
Lake Branch	60,764
Pine Branch	60,775

A. 60,775

B. 60,781

C. 60,771

D. 60,764

Correct: C

Choice labels: A, B, C, D

Explanation: 60,771 rounds to 60,770 at the nearest ten. The other table values round to different multiples of 10.

Source pattern: grade4_deterministic_4_2_D__whole_number_rounding_table

Question 28

A stadium recorded 81,491 tickets. Which value is 81,491 rounded to the nearest ten thousand?

A. 81,000

B. 70,000

C. 90,000

D. 80,000

Correct: D

Choice labels: A, B, C, D

Explanation: To round 81,491 to the nearest ten thousand, look at the digit one place to the right (1). The rounded value is 80,000.

Source pattern: grade4_deterministic_4_2_D_whole_number_rounding_ten_thousand

Question 29

A museum recorded 21,622 visitors. What is this number rounded to the nearest ten thousand?

A. 22,000

B. 10,000

C. 20,000

D. 21,000

Correct: C

Choice labels: A, B, C, D

Explanation: To round 21,622 to the nearest ten thousand, look at the digit one place to the right (1). The rounded value is 20,000.

Source pattern: grade4_deterministic_4_2_D_whole_number_rounding_ten_thousand

Question 30

A warehouse counted 99,251 packages. Round 99,251 to the nearest ten. What is the rounded value?

A. 99,240

B. 99,250

C. 99,260

D. 99,300

Correct: B

Choice labels: A, B, C, D

Explanation: To round 99,251 to the nearest ten, look at the digit one place to the right (1). The rounded value is 99,250.

Source pattern: grade4_deterministic_4_2_D_whole_number_rounding_ten

Question 31

A stadium recorded 61,712 tickets. Which value is 61,712 rounded to the nearest thousand?

A. 60,000

B. 61,700

C. 63,000

D. 62,000

Correct: D

Choice labels: A, B, C, D

Explanation: To round 61,712 to the nearest thousand, look at the digit one place to the right (7). The rounded value is 62,000.

Source pattern: grade4_deterministic_4_2_D_whole_number_rounding_thousand

Question 32

A stadium recorded 880,712 tickets. Which value is 880,712 rounded to the nearest thousand?

A. 880,000

B. 880,700

C. 882,000

D. 881,000

Correct: D

Choice labels: A, B, C, D

Explanation: To round 880,712 to the nearest thousand, look at the digit one place to the right (7). The rounded value is 881,000.

Source pattern: grade4_deterministic_4_2_D_whole_number_rounding_thousand

Question 33

A stadium recorded 350,712 tickets. Which value is 350,712 rounded to the nearest thousand?

A. 350,000

B. 350,700

C. 352,000

D. 351,000

Correct: D

Choice labels: A, B, C, D

Explanation: To round 350,712 to the nearest thousand, look at the digit one place to the right (7). The rounded value is 351,000.

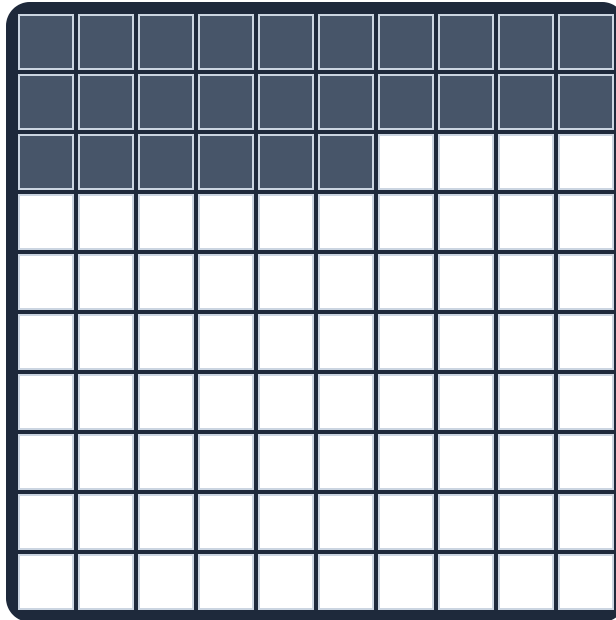
Source pattern: grade4_deterministic_4_2_D_whole_number_rounding_thousand

Question 34

Use the shaded model. Which decimal represents the shaded portion?

Hundredths Model

Use the shaded model to identify the decimal.



A. 0.25

B. 0.26

C. 0.27

D. 0.2

Correct: B

Choice labels: A, B, C, D

Explanation: 26 of 100 equal parts are shaded, so the model represents 0.26.

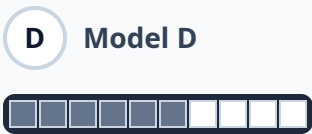
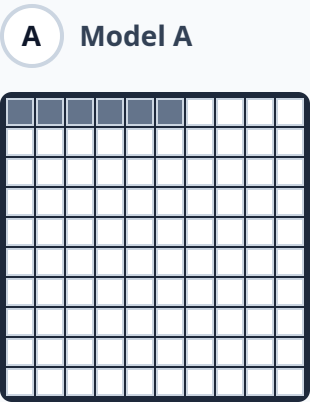
Source pattern: grade4_deterministic_4_2_E_decimal_grid_hundredths_representation

Question 35

Which shaded model has a value of 0.6?

Decimal Models

Choose the model that matches the decimal in the question.



A. Model A

B. Model B

C. Model C

D. Model D

Correct: D
Choice labels: A, B, C, D
Explanation: The correct model represents 0.6.
Source pattern: grade4_deterministic_4_2_E_decimal_model_choice

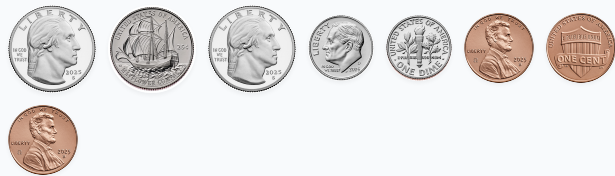
Question 36

Which money model has the same value as \$0.89?

Money Models

Choose the money model that matches the amount in the question.

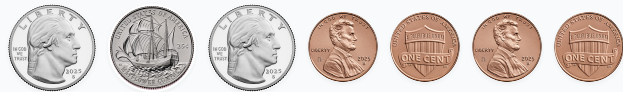
A Money Model A



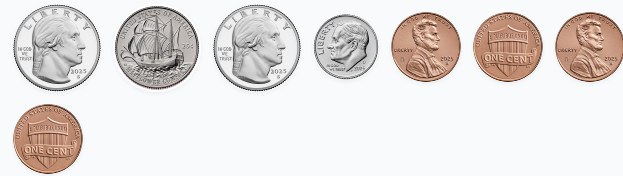
B Money Model B



C Money Model C



D Money Model D



A. Money Model A

B. Money Model B

C. Money Model C

D. Money Model D

Correct: D
Choice labels: A, B, C, D
Explanation: Money Model D represents \$0.89.
Source pattern: grade4_deterministic_4_2_E_money_model_choice

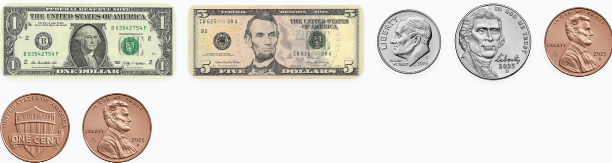
Question 37

Which money model has the same value as \$6.81?

Money Models

Choose the money model that matches the amount in the question.

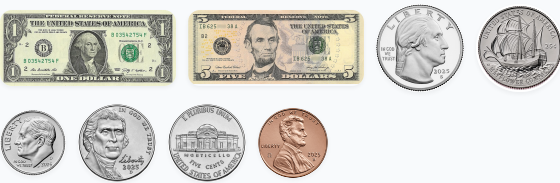
A Money Model A



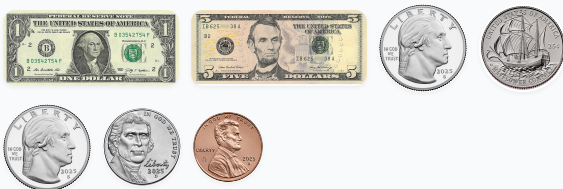
B Money Model B



C Money Model C



D Money Model D



A. Money Model A

B. Money Model B

C. Money Model C

D. Money Model D

Correct: D

Choice labels: A, B, C, D

Explanation: Money Model D represents \$6.81.

Source pattern: grade4_deterministic_4_2_E_money_model_choice

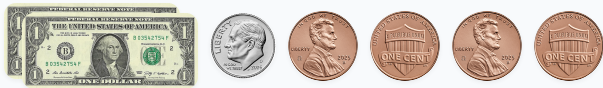
Question 38

Which money model has the same value as \$2.41?

Money Models

Choose the money model that matches the amount in the question.

A Money Model A



B Money Model B



C Money Model C



D Money Model D



A. Money Model A

B. Money Model B

C. Money Model C

D. Money Model D

Correct: D

Choice labels: A, B, C, D

Explanation: Money Model D represents \$2.41.

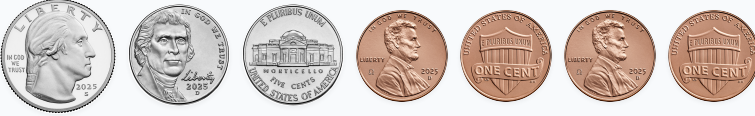
Source pattern: grade4_deterministic_4_2_E_money_model_choice

Question 39

What decimal value is represented by the money model?

Money Model

Use the money shown to identify its decimal value.



A. 0.29

B. 0.93

C. 0.39

D. 0.49

Correct: C

Choice labels: A, B, C, D

Explanation: The money shown has a decimal value of 0.39.

Source pattern: grade4_deterministic_4_2_E_money_decimal_model

Question 40

Which decimal represents the amount of money shown?

Money Model

Use the money shown to identify its decimal value.



A. 0.96

B. 0.76

C. 0.86

D. 0.68

Correct: C

Choice labels: A, B, C, D

Explanation: The money shown has a decimal value of 0.86.

Source pattern: grade4_deterministic_4_2_E_money_decimal_model

Question 41

Which shaded model shows a value less than 0.56?

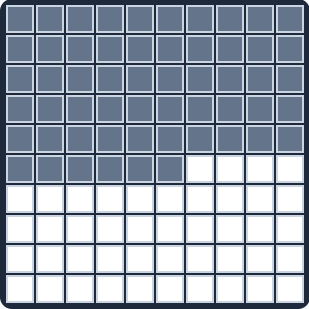
Decimal Models

Choose the model that is less than 0.56.

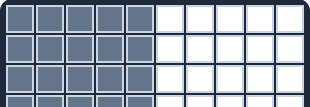
A Model A



B Model B



C Model C



D Model D



A. Model A

B. Model B

C. Model C

D. Model D

Correct: C

Choice labels: A, B, C, D

Explanation: Compare each model with 0.56. Only Model C represents a value less than 0.56.

Source pattern: grade4_deterministic_4_2_F_decimal_grid_compare_order

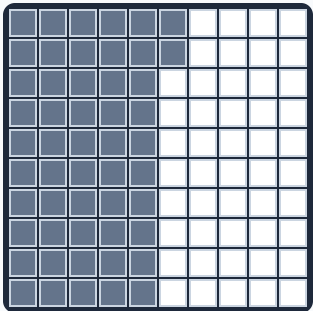
Question 42

Which shaded model shows a value less than 0.48?

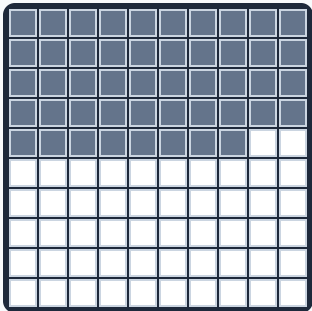
Decimal Models

Choose the model that is less than 0.48.

A Model A



B Model B



C Model C



D Model D



A. Model A

B. Model B

C. Model C

D. Model D

Correct: C
Choice labels: A, B, C, D
Explanation: Compare each model with 0.48. Only Model C represents a value less than 0.48.
Source pattern: grade4_deterministic_4_2_F_decimal_grid_compare_order

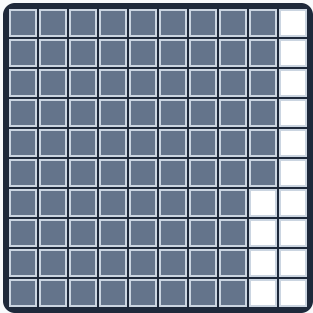
Question 43

Which shaded model shows a value less than 0.79?

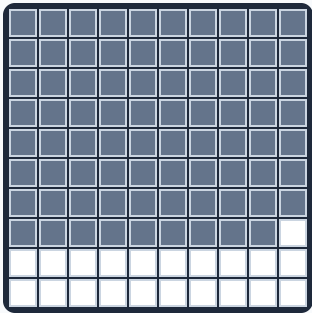
Decimal Models

Choose the model that is less than 0.79.

A Model A



B Model B



C Model C



D Model D



A. Model A

B. Model B

C. Model C

D. Model D

Correct: C

Choice labels: A, B, C, D

Explanation: Compare each model with 0.79. Only Model C represents a value less than 0.79.

Source pattern: grade4_deterministic_4_2_F_decimal_grid_compare_order

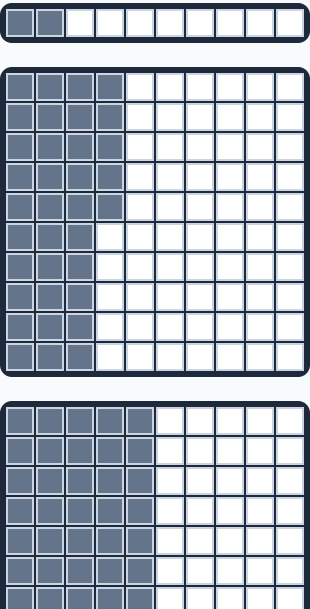
Question 44

Use the shaded models. Which option is ordered from greatest to least?

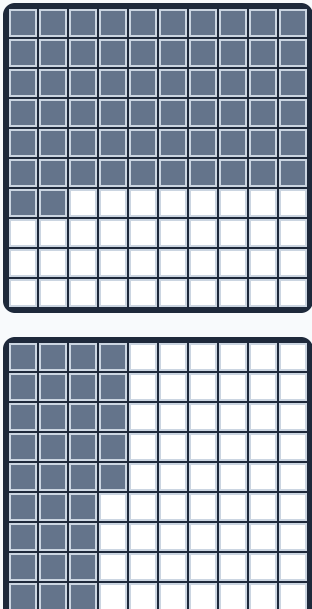
Decimal Model Orders

Compare the shaded models in each option. The decimal values are not printed.

A Order A



B Order B



A. Order A

B. Order B

C. Order C

D. Order D

Correct: D
Choice labels: A, B, C, D
Explanation: Order D arranges the four decimal models from greatest to least.
Source pattern: grade4_deterministic_4_2_F_decimal_grid_compare_order

Question 45

Which fraction is equivalent to 0.48?

A. $47/100$

B. $148/100$

C. $48/100$

D. $59/100$

Correct: C

Choice labels: A, B, C, D

Explanation: 0.48 is 48 hundredths, so it equals $48/100$.

Source pattern: grade4_certified_4_2_G_decimal_to_fraction_hundredths

Question 46

Which fraction has the same value as the decimal 0.35?

A. $135/100$

B. $35/100$

C. $46/100$

D. $34/100$

Correct: B

Choice labels: A, B, C, D

Explanation: 0.35 is 35 hundredths, so it equals $35/100$.

Source pattern: grade4_certified_4_2_G_decimal_to_fraction_hundredths

Question 47

Which fraction names the same value as 0.76?

A. $176/100$

B. $87/100$

C. $76/100$

D. $77/100$

Correct: C

Choice labels: A, B, C, D

Explanation: 0.76 is 76 hundredths, so it equals $76/100$.

Source pattern: grade4_certified_4_2_G_decimal_to_fraction_hundredths

Question 48

Which fraction names the same value as 0.18?

A. $29/100$

B. $17/100$

C. $19/100$

D. $18/100$

Correct: D

Choice labels: A, B, C, D

Explanation: 0.18 is 18 hundredths, so it equals $18/100$.

Source pattern: grade4_certified_4_2_G_decimal_to_fraction_hundredths

Question 49

Which fraction in the table represents 0.78?

Fraction Choices	
CHOICE	FRACTION
A	$\frac{89}{100}$
B	$\frac{78}{100}$
C	$\frac{77}{100}$
D	$\frac{178}{100}$

- A. 89/100
- B. 78/100
- C. 77/100
- D. 178/100

Correct: B
Choice labels: A, B, C, D
Explanation: 0.78 and 78/100 represent the same value.
Source pattern: grade4_certified_4_2_G_table_hundredths

Question 50

Use the table. Which decimal has the same value as 3/10?

Decimal Choices	
CHOICE	DECIMAL
A	0.6
B	0.2
C	0.3
D	0.4

A. 0.6

B. 0.2

C. 0.3

D. 0.4

Correct: C
Choice labels: A, B, C, D
Explanation: 3/10 and 0.3 represent the same value.
Source pattern: grade4_certified_4_2_G_table_tenths

Question 51

Which fraction has the same value as the decimal 0.2?

A. $\frac{2}{100}$

B. $\frac{1}{10}$

C. $\frac{2}{10}$

D. $\frac{3}{10}$

Correct: C

Choice labels: A, B, C, D

Explanation: 0.2 is 2 tenths, so it equals $\frac{2}{10}$.

Source pattern: grade4_certified_4_2_G_decimal_to_fraction_tenths

Question 52

Which fraction represents the decimal 6.1?

A. $62/10$

B. $61/10$

C. $601/100$

D. $71/10$

Correct: B

Choice labels: A, B, C, D

Explanation: 6.1 equals $61/10$. The numerator counts all tenths in the whole number and decimal part.

Source pattern: grade4_certified_4_2_G_decimal_to_improper_fraction

Question 53

Which mixed number represents the decimal 4.3?

A. $4 \frac{3}{10}$

B. $4 \frac{2}{10}$

C. $4 \frac{4}{10}$

D. $4 \frac{3}{100}$

Correct: A

Choice labels: A, B, C, D

Explanation: 4.3 is 4 wholes and 3 tenths, so it is $4 \frac{3}{10}$.

Source pattern: grade4_certified_4_2_G_decimal_to_mixed_number

Question 54

Which decimal and fraction represent the same value?

A. 0.8 and $\frac{8}{10}$

B. 0.8 and $\frac{8}{100}$

C. 0.8 and $\frac{7}{10}$

D. 0.5 and $\frac{8}{10}$

Correct: A

Choice labels: A, B, C, D

Explanation: 0.8 and $\frac{8}{10}$ have the same value.

Source pattern: grade4_certified_4_2_G_equivalent_decimal_fraction_pair

Question 55

A student says 0.2 is the same value as 20/100. Which explanation supports the student?

A. 0.2 means 2 tenths, and 2 tenths is equal to 20 hundredths.

B. 0.2 means 2 ones, and 20/100 means 20 ones.

C. 0.2 means 2 hundredths, and 20/100 means 20 tenths.

D. 0.2 means 20 ones, and 20/100 means 20 ones.

Correct: A

Choice labels: A, B, C, D

Explanation: 2 tenths equals 20 hundredths.

Source pattern: grade4_certified_4_2_G_tenths_hundredths_reasoning

Question 56

Which equation shows two equivalent values?

A. $2.93 = 293/100$

B. $2.93 = 293/10$

C. $2.93 = 294/100$

D. $2.93 = 295/100$

Correct: A

Choice labels: A, B, C, D

Explanation: 2.93 and 293/100 name the same value.

Source pattern: grade4_certified_4_2_G_true_equality_statement

Question 57

Which fraction in hundredths names the same value as 0.9?

A. 90/100

B. 89/100

C. 9/100

D. 91/100

Correct: A

Choice labels: A, B, C, D

Explanation: 9 tenths is equal to 90 hundredths, so $0.9 = 90/100$.

Source pattern: grade4_certified_4_2_G_tenths_hundredths_equivalence

Question 58

Which decimal has the same value as the fraction $72/100$?

A. 0.71

B. 0.69

C. 0.75

D. 0.72

Correct: D

Choice labels: A, B, C, D

Explanation: $72/100$ means 72 hundredths, which is 0.72.

Source pattern: grade4_certified_4_2_G_fraction_to_decimal_hundredths

Question 59

Which decimal names the same value as $\frac{1}{10}$?

A. 0.2

B. 0.4

C. 0.1

D. 0.0

Correct: C

Choice labels: A, B, C, D

Explanation: $\frac{1}{10}$ means 1 tenths, which is 0.1.

Source pattern: grade4_certified_4_2_G_fraction_to_decimal_tenths

Question 60

Which decimal shows the position of point T on the number line?

Number Line



A. 2.68

B. 2.67

C. 2.66

D. 2.7

Correct: B

Choice labels: A, B, C, D

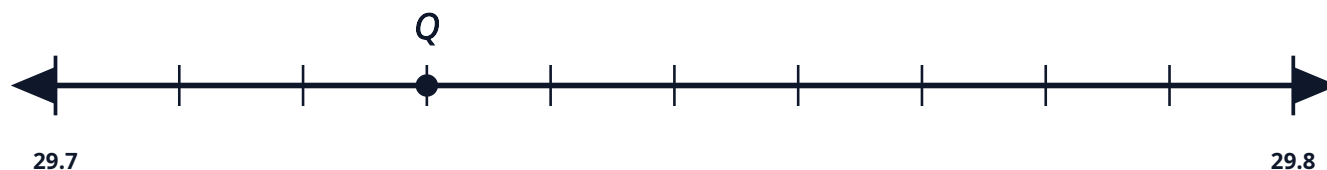
Explanation: The interval is divided into hundredths. Point T is at 2.67.

Source pattern: grade4_certified_4_2_H_horizontal_hundredths_plain

Question 61

Read the number line. Which decimal names the location of point Q?

Number Line



A. 30.73

B. 29.73

C. 29.74

D. 29.72

Correct: B**Choice labels:** A, B, C, D**Explanation:** The interval is divided into hundredths. Point Q is at 29.73.**Source pattern:** grade4_certified_4_2_H_horizontal_hundredths_plain

Question 62

Use the number line to determine the value of point C. Which decimal is correct?

Point on a Number Line



A. 0.02

B. 0.21

C. 0.19

D. 0.2

Correct: D

Choice labels: A, B, C, D

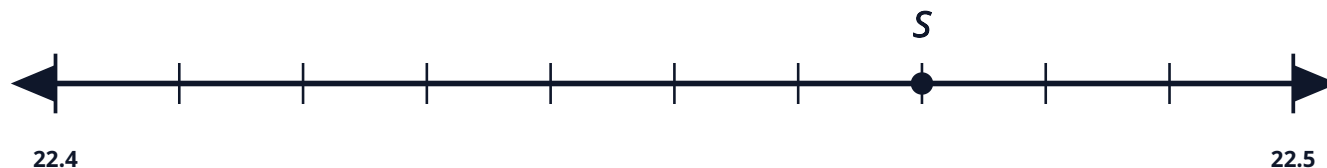
Explanation: The interval is divided into tenths. Point C is at 0.2.

Source pattern: grade4_certified_4_2_H_horizontal_tenths_plain

Question 63

Use the number line to determine the value of point S. Which decimal is correct?

Decimal Number Line



A. 22.4

B. 22.47

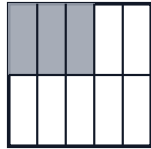
C. 22.57

D. 22.37

Correct: B**Choice labels:** A, B, C, D**Explanation:** The interval is divided into hundredths. Point S is at 22.47.**Source pattern:** grade4_certified_4_2_H_horizontal_hundredths_nonzero_interval

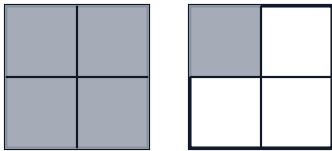
Question 64

Which expression decomposes the shaded amount in the model into unit fractions?

A. $\frac{1}{10}$ B. $\frac{1}{10} + \frac{1}{10}$ C. $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$ D. $\frac{1}{10} + \frac{1}{10} + \frac{1}{10}$ **Correct:** D**Choice labels:** A, B, C, D**Explanation:** $\frac{3}{10}$ means 3 copies of the unit fraction $\frac{1}{10}$: $\frac{1}{10} + \frac{1}{10} + \frac{1}{10}$.**Source pattern:** grade4_certified_4_3_A_model_proper_expression

Question 65

The model shows equal-size fractional parts. Which unit-fraction expression has the same value as the shaded amount?



A. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

B. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

C. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

D. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

Correct: B

Choice labels: A, B, C, D

Explanation: $\frac{5}{4}$ means 5 copies of the unit fraction $\frac{1}{4}$: $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$.

Source pattern: grade4_certified_4_3_A_model_improper_expression

Question 66

Which expression decomposes $\frac{5}{6}$ into unit fractions?

A. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

B. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

C. $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$

D. $\frac{2}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

Correct: B

Choice labels: A, B, C, D

Explanation: $\frac{5}{6}$ means 5 copies of the unit fraction $\frac{1}{6}$: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$.

Source pattern: grade4_certified_4_3_A_text_proper_expression

Question 67

Which expression represents the value $\frac{4}{5}$ as unit fractions added together?

A. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

B. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

C. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

D. $\frac{2}{5} + \frac{1}{5} + \frac{1}{5}$

Correct: A

Choice labels: A, B, C, D

Explanation: $\frac{4}{5}$ means 4 copies of the unit fraction $\frac{1}{5}$: $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$.

Source pattern: grade4_certified_4_3_A_text_proper_expression

Question 68

Which equation matches $\frac{5}{4}$ to its unit-fraction decomposition?

A. $\frac{5}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

B. $\frac{5}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

C. $\frac{5}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

D. $\frac{5}{4} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

Correct: A

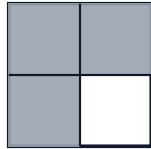
Choice labels: A, B, C, D

Explanation: $\frac{5}{4}$ means 5 copies of the unit fraction $\frac{1}{4}$: $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$.

Source pattern: grade4_certified_4_3_A_text_improper_equation

Question 69

Look at the equal parts in the model. Which equation shows two different ways to compose the fraction represented by the equal parts?



A. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

B. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{1}{4} + \frac{2}{4}$

C. $\frac{2}{4} + \frac{2}{4} = \frac{1}{4} + \frac{1}{4}$

D. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{2}{4} + \frac{2}{4}$

Correct: B

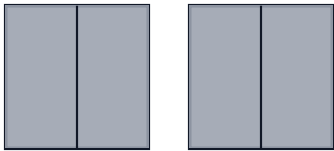
Choice labels: A, B, C, D

Explanation: The correct equation shows two different decompositions. Both sides equal $\frac{3}{4}$, and every fraction keeps denominator 4.

Source pattern: grade4_certified_4_3_B_model_proper_two_way_equation

Question 70

The model shows one fraction. Which expression does NOT have the same value as the shaded fraction?



A. $\frac{1}{2} + \frac{1}{2} + \frac{2}{2}$

B. $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$

C. $\frac{1}{3} + \frac{1}{3} + \frac{2}{3}$

D. $\frac{2}{2} + \frac{2}{2}$

Correct: C

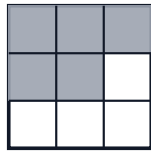
Choice labels: A, B, C, D

Explanation: The correct choice is the only expression that is not a valid same-denominator decomposition of $\frac{4}{2}$.

Source pattern: grade4_certified_4_3_B_model_improper_negative_expression

Question 71

Look at the equal parts in the model. Which number sentence shows two different ways to compose the fraction represented by the equal parts?



A. $\frac{1}{9} + \frac{2}{9} + \frac{2}{9} = \frac{1}{9} + \frac{2}{9} + \frac{2}{9}$

B. $\frac{1}{9} + \frac{2}{9} + \frac{2}{9} = \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{2}{9}$

C. $\frac{1}{9} + \frac{1}{9} + \frac{2}{9} + \frac{2}{9} = \frac{1}{9} + \frac{3}{9}$

D. $\frac{1}{9} + \frac{2}{9} + \frac{2}{9} = \frac{1}{9} + \frac{1}{9} + \frac{2}{9} + \frac{2}{9}$

Correct: B

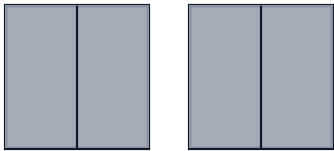
Choice labels: A, B, C, D

Explanation: The correct equation shows two different decompositions. Both sides equal $\frac{5}{9}$, and every fraction keeps denominator 9.

Source pattern: grade4_certified_4_3_B_model_proper_two_way_equation

Question 72

The model shows one fraction. Which expression does NOT have the same value as the shaded fraction?



A. $\frac{1}{2} + \frac{1}{2} + \frac{2}{2}$

B. $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$

C. $\frac{1}{3} + \frac{1}{3} + \frac{2}{3}$

D. $\frac{2}{2} + \frac{2}{2}$

Correct: C

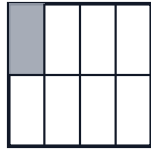
Choice labels: A, B, C, D

Explanation: The correct choice is the only expression that is not a valid same-denominator decomposition of $\frac{4}{2}$.

Source pattern: grade4_certified_4_3_B_model_improper_negative_expression

Question 73

The model shows one fraction. Which fraction has the same value as the shaded amount?



A. $\frac{3}{24}$

B. $\frac{2}{8}$

C. $\frac{3}{23}$

D. $\frac{1}{24}$

Correct: A

Choice labels: A, B, C, D

Explanation: $\frac{3}{24}$ has the same value as the shaded fraction model.

Source pattern: grade4_certified_4_3_C_model_equivalent_fraction

Question 74

Which equation correctly represents the two equivalent shaded fractions?



A. $\frac{3}{5} = \frac{5}{10}$

B. $\frac{3}{5} = \frac{6}{10}$

C. $\frac{3}{5} = \frac{7}{10}$

D. $\frac{3}{5} = \frac{2}{5}$

Correct: B

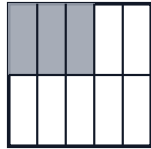
Choice labels: A, B, C, D

Explanation: $\frac{3}{5}$ and $\frac{6}{10}$ represent the same shaded amount.

Source pattern: grade4_certified_4_3_C_model_equivalent_pair

Question 75

Look at the equal parts in the model. Which fraction is equivalent to the fraction shown?



A. $\frac{2}{10}$

B. $\frac{4}{10}$

C. $\frac{6}{19}$

D. $\frac{6}{20}$

Correct: D

Choice labels: A, B, C, D

Explanation: $\frac{6}{20}$ has the same value as the shaded fraction model.

Source pattern: grade4_certified_4_3_C_model_equivalent_fraction

Question 76

Point F marks one location between 0 and 1. Which pair of fractions represents that same location?

Fraction Number Line



A. $\frac{2}{7}$ and $\frac{6}{21}$

B. $\frac{2}{7}$ and $\frac{7}{21}$

C. $\frac{1}{7}$ and $\frac{6}{21}$

D. $\frac{1}{7}$ and $\frac{3}{21}$

Correct: A

Choice labels: A, B, C, D

Explanation: Point F is at $\frac{2}{7}$, and $\frac{6}{21}$ is equivalent to $\frac{2}{7}$.

Source pattern: grade4_certified_4_3_C_number_line_equivalent_pair

Question 77

Which equation shows an equivalent-fraction relationship for $\frac{1}{8}$?

A. $\frac{1}{8} = \frac{2}{8}$

B. $\frac{1}{8} = \frac{2}{15}$

C. $\frac{1}{8} = \frac{2}{16}$

D. $\frac{1}{8} = \frac{2}{17}$

Correct: C

Choice labels: A, B, C, D

Explanation: $\frac{1}{8} = \frac{2}{16}$ is the only equation in which both fractions have the same value.

Source pattern: grade4_certified_4_3_C_text_equivalent_equation

Question 78

Which statement correctly connects $9/10$ to the equivalent fraction $18/20$?

A. $9/10 = 17/20$ because both numerator and denominator are multiplied by 2.

B. $9/10 = 11/12$ because the same number is added to the numerator and denominator.

C. $9/10 = 18/20$ because both numerator and denominator are multiplied by 2.

D. $9/10 = 9/20$ because only the denominator is multiplied by 2.

Correct: C

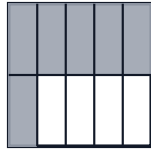
Choice labels: A, B, C, D

Explanation: $9/10$ and $18/20$ are equivalent because both numerator and denominator are multiplied by 2.

Source pattern: grade4_certified_4_3_C_text_equivalence_reasoning

Question 79

The model shows $6/10$. Which comparison with $3/11$ is true?



A. $3/11 > 6/10$

B. $6/10 < 3/11$

C. $6/10 > 3/11$

D. $6/10 = 3/11$

Correct: C

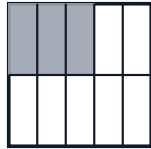
Choice labels: A, B, C, D

Explanation: The model represents $6/10$, and $6/10 > 3/11$.

Source pattern: grade4_certified_4_3_D_model_pair_comparison

Question 80

The shaded model and the fraction $\frac{2}{9}$ represent two values. Which comparison is correct?

A. $\frac{2}{9} > \frac{3}{10}$ B. $\frac{3}{10} < \frac{2}{9}$ C. $\frac{3}{10} = \frac{2}{9}$ D. $\frac{3}{10} > \frac{2}{9}$ **Correct:** D**Choice labels:** A, B, C, D**Explanation:** The model represents $\frac{3}{10}$, and $\frac{3}{10} > \frac{2}{9}$.**Source pattern:** grade4_certified_4_3_D_model_pair_comparison

Question 81

Use the fraction pairs in the table. Which comparison correctly represents one row?

Fraction Pairs		
ROW	FIRST FRACTION	SECOND FRACTION
W	$\frac{1}{8}$	$\frac{2}{10}$
X	$\frac{2}{6}$	$\frac{3}{9}$
Y	$\frac{7}{12}$	$\frac{1}{8}$
Z	$\frac{5}{11}$	$\frac{4}{10}$

A. W: $\frac{1}{8} > \frac{2}{10}$

B. X: $\frac{2}{6} = \frac{3}{9}$

C. Y: $\frac{7}{12} = \frac{1}{8}$

D. Z: $\frac{5}{11} < \frac{4}{10}$

Correct: B
Choice labels: A, B, C, D
Explanation: X: $\frac{2}{6} = \frac{3}{9}$ is the only true comparison in the table choices.
Source pattern: grade4_certified_4_3_D_table_true_comparison

Question 82

Which equation or inequality correctly compares $\frac{2}{9}$ with $\frac{4}{11}$?

A. $\frac{2}{9} < \frac{4}{11}$

B. $\frac{2}{9} = \frac{4}{11}$

C. $\frac{4}{11} < \frac{2}{9}$

D. $\frac{2}{9} > \frac{4}{11}$

Correct: A

Choice labels: A, B, C, D

Explanation: $\frac{2}{9} < \frac{4}{11}$ because cross-products give 22 and 36.

Source pattern: grade4_certified_4_3_D_text_pair_comparison

Question 83

Which comparison between $\frac{4}{12}$ and $\frac{2}{6}$ is true?

A. $\frac{4}{12} < \frac{2}{6}$

B. $\frac{4}{12} = \frac{2}{6}$

C. $\frac{4}{12} > \frac{2}{6}$

D. $\frac{2}{6} < \frac{4}{12}$

Correct: B

Choice labels: A, B, C, D

Explanation: $\frac{4}{12} = \frac{2}{6}$ because cross-products give 24 and 24.

Source pattern: grade4_certified_4_3_D_text_equal_comparison

Question 84

Which choice is a fraction greater than the target fraction $5/12$?

A. $1/3$

B. $2/5$

C. $4/6$

D. $2/6$

Correct: C

Choice labels: A, B, C, D

Explanation: $4/6$ is greater than $5/12$. Both numerator and denominator differ from the target fraction.

Source pattern: grade4_certified_4_3_D_text_greater_than_target

Question 85

Two students completed $\frac{4}{6}$ of a project altogether. One student completed $\frac{2}{6}$. What fraction of the project did the other student complete?

A Shown ModelsA. $\frac{3}{6}$ B. $\frac{4}{6}$

C. 1

D. $\frac{2}{6}$ **Correct:** D**Choice labels:** A, B, C, D**Explanation:** $\frac{4}{6} - \frac{2}{6} = \frac{2}{6}$.**Source pattern:** grade4_certified_4_3_E_text_missing_addend

Question 86

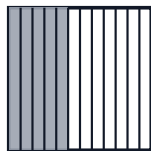
The first model shows the total amount and the second model shows one part. What fraction is the missing part?

A Shown Models

Total



Known part

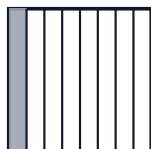
A. $\frac{3}{12}$ B. $\frac{5}{12}$ C. $\frac{4}{12}$ D. $\frac{6}{12}$ **Correct:** C**Choice labels:** A, B, C, D**Explanation:** $\frac{9}{12} - \frac{5}{12} = \frac{4}{12}$.**Source pattern:** grade4_certified_4_3_E_model_missing_addend

Question 87

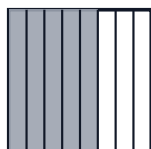
Two parts of a mural cover $\frac{1}{8}$ and $\frac{5}{8}$ of the same wall. What fraction of the wall do the two parts cover altogether?

A Shown Models

First amount



Second amount

A. $\frac{5}{8}$ B. $\frac{7}{8}$ C. $\frac{6}{8}$

D. 1

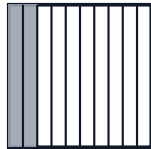
Correct: C**Choice labels:** A, B, C, D**Explanation:** $\frac{1}{8} + \frac{5}{8} = \frac{6}{8}$.**Source pattern:** grade4_certified_4_3_E_text_add_result

Question 88

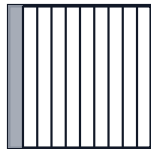
Subtract the smaller modeled fraction from the larger modeled fraction. What is the result?

A Shown Models

First amount



Second amount



A. $\frac{2}{10}$

B. $\frac{3}{10}$

C. $\frac{1}{11}$

D. $\frac{1}{10}$

Correct: D

Choice labels: A, B, C, D

Explanation: $\frac{2}{10} - \frac{1}{10} = \frac{1}{10}$.

Source pattern: grade4_certified_4_3_E_model_subtract_result

Question 89

The dark pencils and light pencils belong to the same set shown. What fraction of the set is in either of these two groups?

Pencil Cup

Each symbol represents 1 item in the same set.

Dark pencils



Light pencils



Other pencils



A. 1

B. $1 \frac{1}{5}$

C. 0

D. $\frac{4}{5}$

Correct: D

Choice labels: A, B, C, D

Explanation: There are 5 items in the set. The two selected groups contain $2 + 2 = 4$ items, so the fraction is $\frac{4}{5}$.

Source pattern: grade4_certified_4_3_E_pictorial_add_groups

Question 90

1/4 of a pie was used first and 1/20 of the same pie was used later. Which benchmark is the most reasonable estimate for the fraction of the pie that remains?

A. $\frac{1}{4}$

B. $\frac{1}{2}$

C. 1

D. $\frac{3}{4}$

Correct: D

Choice labels: A, B, C, D

Explanation: The verified result is $\frac{7}{10}$. Among the required benchmarks 0, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, and 1, $\frac{3}{4}$ is uniquely closest.

Source pattern: grade4_certified_4_3_F_remaining_after_sum_benchmark

Question 91

1/20 of a garden was used first and 1/20 of the same garden was used later. Which benchmark is the most reasonable estimate for the fraction of the garden that remains?

A. $\frac{1}{2}$

B. 1

C. 0

D. $\frac{1}{4}$

Correct: B

Choice labels: A, B, C, D

Explanation: The verified result is $\frac{9}{10}$. Among the required benchmarks 0, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, and 1, 1 is uniquely closest.

Source pattern: grade4_certified_4_3_F_remaining_after_sum_benchmark

Question 92

Without finding a decimal, which benchmark best estimates the sum $\frac{1}{20} + \frac{1}{20}$?

A. $\frac{1}{2}$

B. 0

C. $\frac{3}{4}$

D. 1

Correct: B

Choice labels: A, B, C, D

Explanation: The verified result is $\frac{1}{10}$. Among the required benchmarks 0, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, and 1, 0 is uniquely closest.

Source pattern: grade4_certified_4_3_F_closest_benchmark_sum

Question 93

Two amounts from the same board are $\frac{13}{20}$ and $\frac{3}{20}$. Which benchmark is the most reasonable estimate for their difference?

A. 0

B. $\frac{1}{4}$

C. $\frac{3}{4}$

D. $\frac{1}{2}$

Correct: D

Choice labels: A, B, C, D

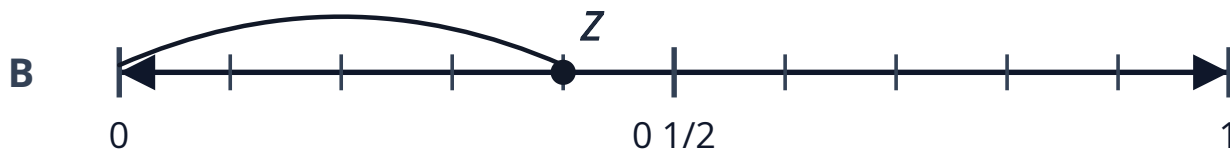
Explanation: The verified result is $\frac{1}{2}$. Among the required benchmarks 0, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, and 1, $\frac{1}{2}$ is uniquely closest.

Source pattern: grade4_certified_4_3_F_context_difference_benchmark

Question 94

A point is located 0.4 units from zero. Which number line represents this distance?

Distance from Zero



A. Number line A

B. Number line B

C. Number line C

D. Number line D

Correct: B

Choice labels: A, B, C, D

Explanation: 0.4 represents a distance of 0.4 from zero. The correct number line places the marked point exactly at that distance on a tenths scale.

Source pattern: grade4_certified_4_3_G_decimal_tenths_distance

Question 95

A point is $\frac{22}{100}$ unit from zero. Which number line shows this distance?

Distance from Zero



A. Number line A

B. Number line B

C. Number line C

D. Number line D

Correct: B

Choice labels: A, B, C, D

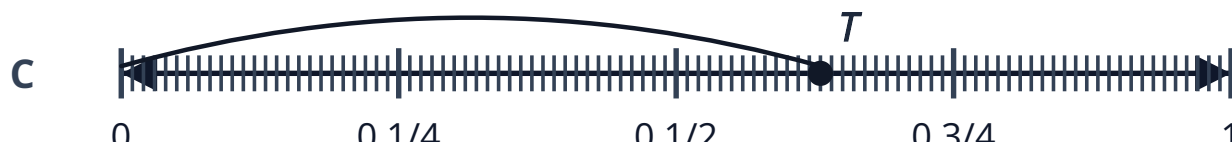
Explanation: $\frac{22}{100}$ represents a distance of 0.22 from zero. The correct number line places the marked point exactly at that distance on a hundredths scale.

Source pattern: grade4_certified_4_3_G_fraction_hundredths_distance

Question 96

A point is located 0.88 units from zero. Which number line represents this distance?

Distance from Zero



A. Number line A

B. Number line B

C. Number line C

D. Number line D

Correct: B

Choice labels: A, B, C, D

Explanation: 0.88 represents a distance of 0.88 from zero. The correct number line places the marked point exactly at that distance on a hundredths scale.

Source pattern: grade4_certified_4_3_G_decimal_hundredths_distance

Question 97

A butterfly flies $\frac{15}{100}$ meters from the flower at zero. Which number line shows this distance from zero?

Distance from Zero



A. Number line A

B. Number line B

C. Number line C

D. Number line D

Correct: D

Choice labels: A, B, C, D

Explanation: $\frac{15}{100}$ represents a distance of 0.15 from zero. The correct number line places the marked point exactly at that distance on a hundredths scale.

Source pattern: grade4_certified_4_3_G_context_fraction_distance

