حل نموذج اختبار تدريبي منهج ريفيل

تاريخ إضافة الملف على موقع المناهج: 2024-06-05 13:11:48

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المزيد من الملفات بحسب الصف الخامس والمادة رياضيات في الفصل الثالث

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المتقدم	

Mock test -Term 3

Name: **prepared by:** Ms. Asmaa Atta

Grade:

Date:

Al Refaah

Part -1Choose the correct answer

Q.1	Complete the equation 7 ÷ 9 =						
A	$\frac{7}{9}$	B	$\frac{9}{7}$	C	63	D	$\frac{9}{1}$

Q.2	What is the quotient? 4 ÷ $\frac{1}{6}$ =						
A	$\frac{4}{6}$	B	$\frac{6}{4}$	C	$\frac{1}{24}$	D	24

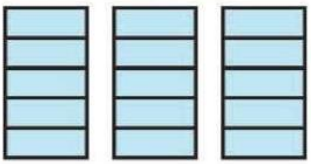
Q.3	What is the quotient? $\frac{1}{3}$ ÷ 8 =?						
A	$\frac{1}{8}$	B	$2\frac{2}{3}$	C	$\frac{1}{24}$	D	24

Q.4	Complete the equation $\frac{1}{4}$ x 5 = 5 ÷ ------- -						
A	4	B	20	C	$\frac{1}{4}$	D	$\frac{1}{20}$

Q.5	Which equation can be used to check the quotient of the division equation shown? (Lesson 11-4) $16 \div \frac{1}{4} = n$						
A	$4 \times \frac{1}{16} = \frac{1}{4}$	B	$16 \times \frac{1}{4} = 4$	C	4 x 4 = 16	D	$64 \times \frac{1}{4} = 16$

Q.6	Sonya is making muffins. The recipe uses $\frac{1}{2}$ cup of flour and makes 12 mini muffins. How many cups of flour should Sonya use to make 6 muffins? $\frac{1}{2} \div 12 \times 6 = \frac{1}{2} \times \frac{1}{12} \times 6 = \frac{6 \div 6}{24 \div 6} = \frac{1}{4}$						
A	$\frac{1}{24}$ cup	B	$\frac{1}{4}$ cup	C	$\frac{1}{6}$ cup	D	$\frac{1}{12}$ cup

Q.7 **Which equation can match the model?**



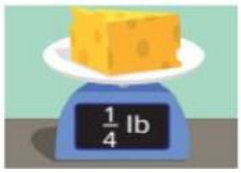
A	B	C	D
$5 \div 3 = n$	$3 \div \frac{1}{5} = n$	$5 \div \frac{1}{3} = n$	$3 \div 5 = n$

Q.8 A zoo has 5 pounds of fruit and 3 pounds of lettuce to divide equally among 3 gorillas. How many total pounds of fruit and lettuce will each gorilla get?

$5 \div 3 = \frac{5}{3}$ fruit, $3 \div 3 = 1$ lettuce

A	B	C	D
15 *pounds*	$\frac{5}{3}$ pounds fruit and 1 pound lettuce	$\frac{5}{3}$ pounds of lettuce and 1 pound of fruits	$\frac{15}{3}$ pounds of fruits and lettuce

Q.9 Ingrid buys this piece of cheese. She uses equal amounts of it to make 3 sandwiches. How much cheese is on each sandwich?



$\frac{1}{4} \div 3 = \frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$

A	B	C	D
12 *lb*	$\frac{3}{4}$ lb	$\frac{1}{12}$ lb	$\frac{4}{3}$ lb

Q.10 Which expression has a whole-number quotient? (Lesson 11-4)

$\frac{9}{8}$ 72 $\frac{8}{9}$ $\frac{1}{72}$

A	B	C	D
$9 \div 8$	$9 \div \frac{1}{8}$	$8 \div 9$	$\frac{1}{9} \div 8$

Q.11 Complete the conversion 3yr = ... mo

$3 \times 12 = 36$

A	B	C	D
24	36	12	30

Q.12 Complete the conversion 16 pt = ... gal

$16 \div 8 = 2$

A	B	C	D
2	4	8	3

Q.13 James needs this much ribbon for an art project. How many inches of ribbon does he need?

$\frac{2}{3} \times 12 = \frac{24}{3} = 8$

A	B	C	D
2 inches	4 *inches*	8 *inches*	$\frac{6}{3}$ inches

Q.14 Andrew's height is given in centimeters. What is Andrew's height in meters? 142 ÷ 100 = 1.42

A	1,420 m	B	14.2 m	C	1.42 m	D	0.142 m

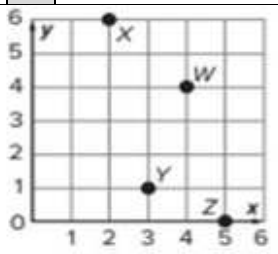
Q.15 How many liters of water are in the pool? 375 x 1000 = 375,000

A	0.375 L	B	375,000 L	C	3,750 L	D	37,500 L

Q.16 Ada's backpack has a mass of 9,080 grams. What is the mass in kilograms? 9080 ÷ 1000 = 9.080 → 9.08

A	9.08 OR 9.080 KG	B	90.80 KG	C	90,800 KG	D	0.9080 KG

Q.17 **Use the coordinate to find the coordinate pair for point Z.**



A	(1,5)	B	(5,0)	C	(0,5)	D	(5,1)

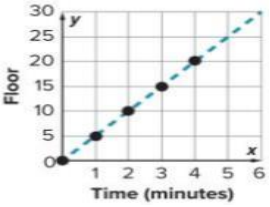
Q.18

Learn

Aliyah is at the 30th floor of a building. While waiting for the elevator, she collected the data shown in the table.

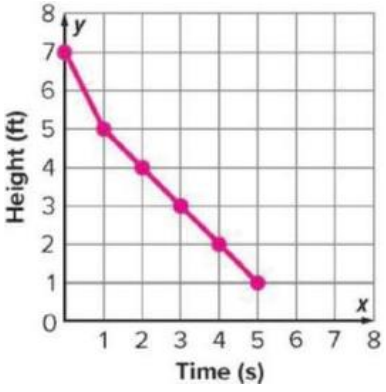
How many minutes will it take the elevator to reach Aliyah's floor?

Time (min)	Floor
0	0
1	5
2	10
3	15
4	20

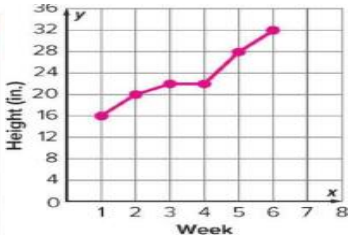
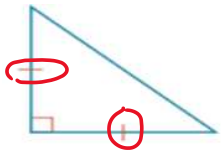
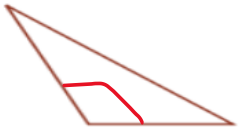
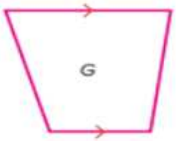


A	10 *min*	B	5 min	C	6 *min*	D	9 min

Q.19 The coordinate plane shows the time it took for a fifth-grade student to go down the slide at a park and their height from the ground while going down the slide. How long does it take for the students to go down the slide?



A	7 *seconds*	B	5 seconds	C	6 *seconds*	D	8 *seconds*

Q.20	Poppy measures the height of a plant over several weeks and records it in the table. The plant is 14 inches tall before she begins recording. Write the weeks and corresponding heights as ordered pairs. How much does the plant grow between before Poppy begins recording and week 6? 32-14= 18   						
A	18 *in.*	**B**	16 *in.*	**C**	14 in.	**D**	12 *in.*
Q.21	Classify the following triangle by using its properties. 						
A	equilateral	**B**	obtuse	**C**	isosceles	**D**	scalene.
Q.22	Classify the following triangle by using its properties. 						
A	equilateral	**B**	obtuse	**C**	isosceles	**D**	acute
Q.22	What is a property of isosceles triangles?						
A	All 3 sides with 3 different lengths.	**B**	it has 2 or more sides with equal side lengths	**C**	Always has right angle.	**D**	Always has 3 sides with equal side lengths.
Q.23	Which quadrilateral always have 4 sides with equal side length?						
A	Rhombus	**B**	Rectangle	**C**	Trapezoid	**D**	Parallelogram
Q.24	Classify the following figure using its properties.  						
A	Rhombus	**B**	Rectangle	**C**	Trapezoid	**D**	Parallelogram

Q.25	What numerical expression represents the description? Add 4.8 and 5.6, then subtract the sum from 16.9.						
A	(4.8 + 5.6) – 16.9	**B**	16.9 - (4.8 + 5.6)	**C**	4.8 + 5.6 – 16.9	**D**	16.9 - 4.8 + 5.6
Q.26	What numerical expression represents the description twelve less than eighteen.						
A	18 - 12	**B**	12- 18	**C**	20 -18	**D**	18 + 12
Q.27	Which operation will you perform first to evaluate the expression? 100 x 4 + 6 – 10						
A	Addition	**B**	Subtraction	**C**	Multiplication	**D**	Division
Q.28	What is the solution? 56 ÷ (8 – 3 + 2) x 5						
A	40	**B**	35	**C**	14	**D**	30
Q.29	What is the solution? 56 ÷ 8 – 3 + 2 x 5						
A	40	**B**	35	**C**	14	**D**	30
Q.30	Which numerical expression is equal to 1?						
A	96 ÷ 12 x 4 ÷ 2	**B**	96 ÷ (12 x 4) ÷ 2	**C**	96 ÷ (12 x 4 ÷ 2)	**D**	96 ÷ 12 x (4 ÷ 2)
Q.31	Describe a relationship between corresponding terms in Patterns A and B. Pattern A starts at 0 and adds 4 to each term. Pattern B starts at 0 and adds 2 to each term.						
A	The terms in Pattern A are 4 times as much as the corresponding terms in pattern B.	**B**	The terms in Pattern A are 2 times as much as the corresponding terms in pattern B.	**C**	The terms in Pattern B are 4 times as much as the corresponding terms in pattern A.	**D**	The terms in Pattern B are 4 times as much as the corresponding terms in pattern A.
Q.32	Describe a relationship between corresponding terms in Patterns A and B. Pattern A starts at 0 and adds 20 to each term. Pattern B starts at 0 and adds 5 to each term.						
A	The terms in Pattern A are 4 times as much as the corresponding terms in pattern B.	**B**	The terms in Pattern A are 5 times as much as the corresponding terms in pattern B.	**C**	The terms in Pattern B are 5 times as much as the corresponding terms in pattern A.	**D**	The terms in Pattern B are 4 times as much as the corresponding terms in pattern A.

Q.33	Pattern A starts at 0 and adds 4 to each term. Pattern B starts at 0 and adds 8 to each term. If 24 is a term in Pattern A, what is its corresponding term in Pattern B?						
A	12	**B**	48	**C**	8	**D**	84
Q.34	Pattern A starts at 0 and adds 3 to each term. Pattern B starts at 0 and adds 12 to each term. If 72 is a term in Pattern B, what is its corresponding term in Pattern A?						
A	18	**B**	9	**C**	8	**D**	12
Q.35	Saffron is baking bread. She wrote these numerical patterns to record the amount of water and flour needed. Water (in cups): 3, 4, 5, 6, ... Flour (in cups): 6, 8, 10, 12, ... How many cups of water is needed when using 48 cups of flour						
A	12	**B**	6	**C**	24	**D**	84

PART 2

Q.1 **Solve each problem. If there is a remainder, decide how to represent and interpret the remainder.**

Grace walked the number of miles shown over the course of 7 days. She walked the same number of miles each day. How many miles did she walk each day?

$20 \div 7 = 2\frac{6}{7}$ mi

Q.2 **Drew has 169 toy cars that he is organizing into boxes. Each box can hold 30 cars. How many boxes does he need?**

$169 \div 30 = 5R19$

He will need 6 boxes.

Q.3

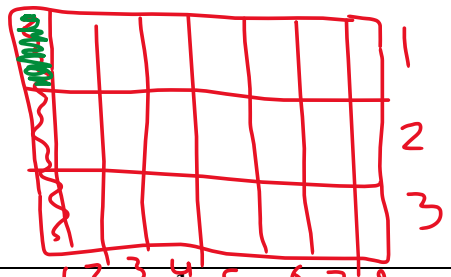
. Keri is making trail mix that contains $\frac{1}{3}$ cup of sunflower seeds per serving. How many servings can she make with this bag?

$2 \div \frac{1}{3}$

$2 \times 3 = 6$ servings

Q.4

What is the quotient? use a representation to solve.



$\frac{1}{8} \div 3 = \frac{1}{24}$

$\frac{1}{8} \times \frac{1}{3} = \frac{1}{24}$

Q.5

Peter buys $\frac{1}{4}$ pound of ham. Peter says if he makes 2 ham sandwiches, each will have $\frac{1}{2}$ pound of ham. Is Peter correct? Explain why or why not?

$\frac{1}{4} \div 2 = \frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ lb

No, He is incorrect.

Q.6

Ruby's backpack has a mass of 4 kilograms. She removes a book that has a mass of 120 grams. What is the mass of Ruby's backpack after she removes the book?

$4 \times 1000 = 4000$ g

$4000 - 120 = 3880$ g

$3880 \div 1000 = 3.88$ kg

Q.7

Nell is aiming to drink the amount of water shown per day. 3 By 3 p.m., she is $\frac{3}{4}$ of the way to her goal. How many more fluid ounces does she need to drink to reach her goal?

$\frac{3}{4} \times 8 = \frac{24}{4} = 6$ cups

$8 - 6 = 2$ cups

$2 \times 8 = 16$ fl oz

Q.8

Finn knows that a cubic yard of concrete weighs about 4,050 pounds. A cement truck can hold 10 cubic yards of concrete. How many tons of concrete can the truck hold?

$4050 \times 10 = 40,500$ Pounds

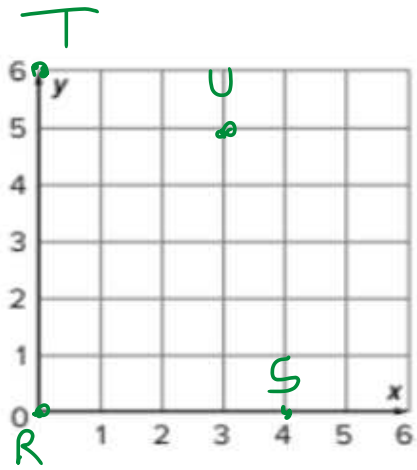
$40,500 \div 2000 = 20\frac{5}{20} = 20\frac{1}{4} = 20.25$

T

Q.8

Plot and label the point for each ordered pair.

9. $R(0, 0)$
10. $S(4, 0)$
11. $T(0, 6)$
12. $U(3, 5)$

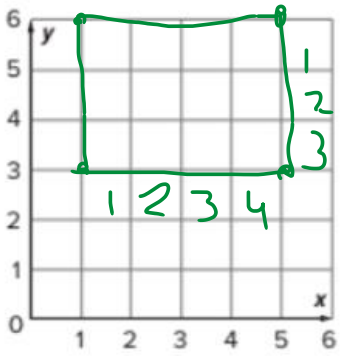


Q.9

Plot the points (1, 3), (1, 6), (5, 6), and (5, 3). Draw a line to connect the points in the order in which you plotted them. What is the length and width of the shape?

L = 4 units

W = 3 units



Q.10

Use the information given for Exercises 1–8.

Quentin and Tyler are running laps on the school track. Each time they complete a lap, they do jumping jacks.

They both do 0 jumping jacks after the first lap.

Each lap, Quentin adds 1 jumping jack to the number of jumping jacks he did after the lap before.

Each lap, Tyler adds 4 jumping jacks to the number of jumping jacks he did after the lap before.

1. What is the rule for Quentin's numerical pattern?
   add 1
2. What is the rule for Tyler's numerical pattern?
   add 4
3. Write the first 5 terms of Quentin's numerical pattern.
   0, 1, 2, 3, 4
4. Write the first 5 terms of Tyler's numerical pattern.
   0, 4, 8, 12, 16
5. When Quentin does 4 jumping jacks after a lap, how many jumping jacks will Tyler do after that same lap?
   16 jumping jacks
6. What is a relationship between corresponding terms in the two numerical patterns?
   Multiply the number in Quentin's pattern by 4. The product is the number in Tyler's pattern.
7. How many jumping jacks will Tyler do after the lap when Quentin does 8 jumping jacks?
   32 jumping jacks
8. How many jumping jacks will Quentin do after the lap when Tyler does 40 jumping jacks?
   10 jumping jacks

Q.11

Use Numerical Patterns A and B for Exercises 9–12.

Numerical Pattern A: 0, 2, 4, 6, 8, 10, 12

Numerical Pattern B: 0, 6, 12, 18, 24, 30, 36

9. What is the rule for Pattern A?

add 2

10. What is the rule for Pattern B?

add 6

11. What is a relationship between the corresponding terms in the two numerical patterns?

Multiply the number in Pattern A by 3 and the product is the number in Pattern B.

12. When the number in Pattern A is 28, what will be the number in Pattern B? **84**