

**MODULE 1 GRADE 7 MATH QUIZ** اجمالي المستقبل

Total questions: 30

Worksheet time: 3hrs 58mins

Instructor name: Aya Hamed

Name

Class

Date

1. If Justin can type 408 words in 4 minutes, how many words can he type per minute? (What is his unit rate)
 - a) 102 words per minute
 - b) 100 words per minute
 - c) 400 words per minute
 - d) 412 words per minute
2. You spend \$40 on 5 pounds of concrete. What is the unit rate in dollars per pound?
 - a) \$8 per pound
 - b) \$5 per pound
 - c) \$35 per pound
 - d) 0.125 pounds per dollar
3. A store sees 120 customers in 8 hours. What is the unit rate (in customers per hour)?
 - a) 16 customers per hour
 - b) 15 customers per hour
 - c) 12 customers per hour
 - d) 20 customers per hour
4. A cashier at the grocery store rung up 2 customers in 8 minutes. At this rate, how many customers can he ring up in 32 minutes?
 - a) 10 customers
 - b) 7 customers
 - c) 8 customers
 - d) 12 customers
5. Select ALL the ratios that are equivalent to 16 : 6
 - a) 3 to 8
 - b) 32 : 12
 - c) 4 to 2
 - d) 8 to 3

6. The average sneeze can travel $\frac{3}{100}$ mile in 3 seconds. At this rate, how far can it travel in one minute? (3 seconds = $\frac{1}{20}$ minute)

- a) $\frac{3}{5}$ mile
b) 1 mile
c) 420 miles
d) 5 miles

7.

x	8	16	24	32
y	2	4	6	8

Is this table proportional or non-proportional?

- a) Proportional
b) Non-Proportional

8. Determine whether the cost of coffee is proportional to the number of pounds.

Coffee (lbs)	1	2	3	4
Cost (\$)	3	6	9	12

Is this table proportional?

- a) Yes
b) No

9.

Miles	Cost
100	35
200	45
300	55
400	65

Is this table proportional?

- a) Yes
b) No

10.

Hours	Money
0	\$0
1	\$9
2	\$18
3	\$27
4	\$36

What is the constant of proportionality?

- a) \$3 b) \$4
- c) \$2 d) \$9

11.

Amusement Park Ticket Costs

Number of Adults	1	2	3	5	10	100
Cost of Tickets (\$)	75	150	225	375	750	7,500

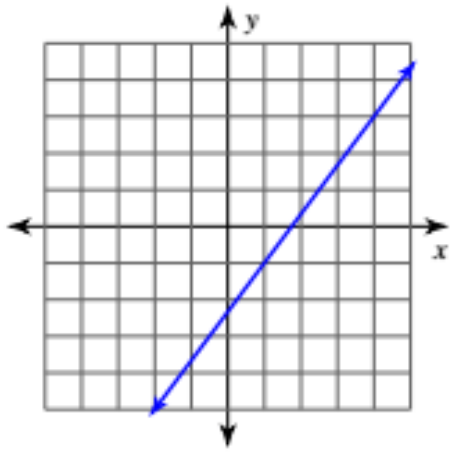
What is the total cost of tickets if there are 7 adults?

- a) \$600 b) \$75
- c) \$500 d) \$525

12. How do you write an ordered pair?

- a) (X,X)
c) (X,Y)

13.

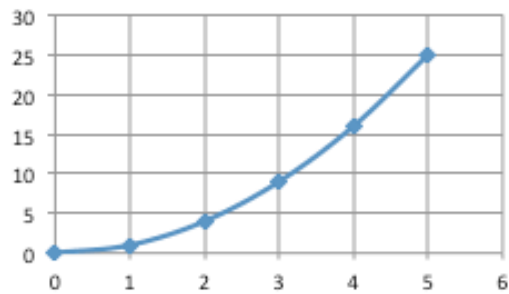


Does the graph show a proportional relationship?

a) Yes

b) No

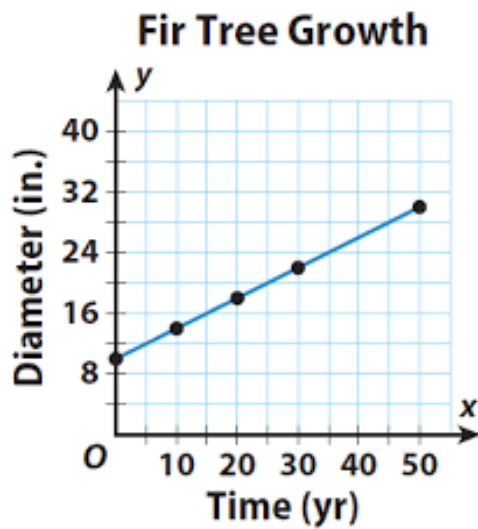
14.



a) Proportional

b) Non-proportional

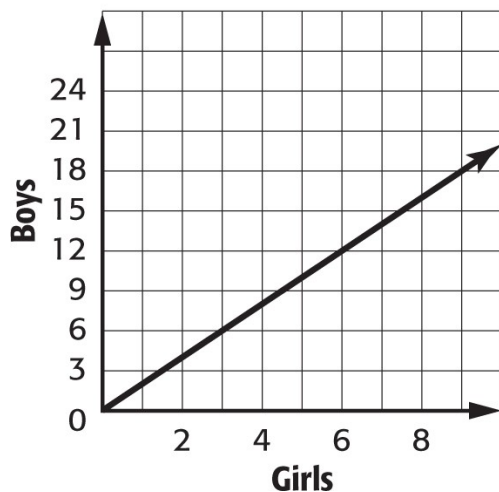
15.



a) Proportional

b) Non-proportional

16.

Students in Mr. Muni's Class

Which of the following rates of change represents the graph shown?

- a) 2 boys for every 1 girl b) 0.5 boys for every 1 girl
c) 6 boys for every 1 girl d) 3 boys for every 1 girl

17. What does the Equation for a Proportional Relationship look like?

- a) $y = x$ b) $x = ky$
c) $y = kx$

18.

What is the constant of proportionality in the equation $y = \frac{1}{2}x$

- a) y b) $\frac{1}{2}$
c) 1 d) 2

19. Does this equation represent a proportional relationship?

$$y = 2x + 1$$

- a) Yes, the value of $k = 2$ b) Yes, the value of $k = 1$
c) No, there can be no plus sign in a proportional equation

20. \$250 (y) is earned in 12.5 hours (x). What equation shows this relationship?

- a) $y = 12.5x$ b) $y = 250x$
c) $y = 20x$

21. 6 bananas cost \$2.40 . Let y represent the cost and x represent the quantity of bananas. Which equation shows this relationship?

a) $2.4y = 6x$

b) $6y = 2.4x$

c) $y = 0.40x$

d) $y = 14.4x$

22. 12 miles (y) is walked in 4 hours (x). What equation shows this relationship?

a) $y = 3x$

b) $y = 4x$

c) $y = 12x$

23.

$$\frac{3}{7}, \frac{12}{21}$$

Do the ratios form a proportion?

a) Yes, they form a proportion.

b) No, they do not form a proportion.

24.

$$\frac{2}{7} = \frac{c}{28}$$

Solve the proportion:

a) 4

b) 8

c) 14

d) 10

25.

2.

x	2	4	6	8
y	10	20	30	40

Write an equation for this relationship.

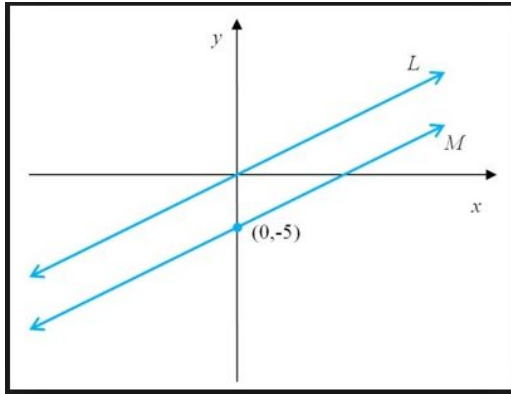
a) $y=1/5x$

b) $y=1/2x$

c) $y=2x$

d) $y=5x$

26.



Which line shows a proportional relationship between x and y ?

a) Line L

b) Line M

27.

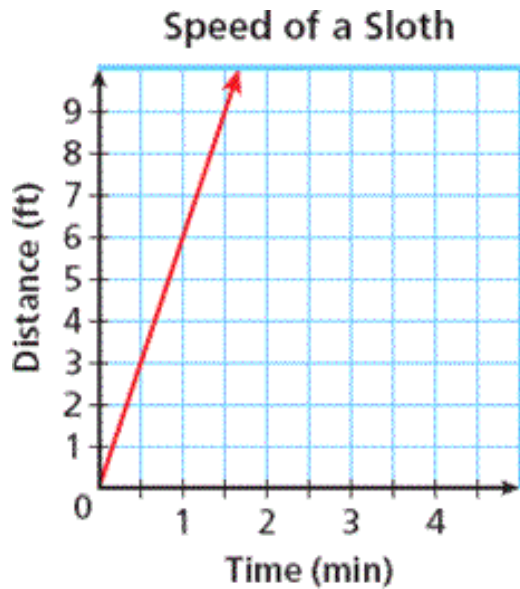
# of Trees	# of Apples
2	26
3	39
6	78
10	130
12	146

The number of trees and the number of apples are given in the table above. Determine which statement below is correct.

a) The table is not proportional because the unit rate is not constant. b) The table is proportional and the unit rate is $1/13$

c) The table is proportional and the unit rate is 13. d) The table is not proportional because it doesn't pass through the origin.

28.



Using the graph above, determine the constant of proportionality.

- a) $k = 0$
- b) $k = 1$
- c) $k = 3$
- d) $k = 6$

b) $k = 1$

c) $k = 3$

d) $k = 6$

29.

Days (x)	1	3	5	6
Pages read (y)	100	300	550	600

Pages read (y)	100	300	550	600
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Using the table above, determine which statement is correct.

- a) The table is proportional and the unit rate is 100.
- b) The table is not proportional because the unit rate is not constant.
- c) The table is not proportional because it doesn't pass through the origin.
- d) The table is proportional and the unit rate is 0.01.

b) The table is not proportional because the unit rate is not constant.

c) The table is not proportional because it doesn't pass through the origin.

d) The table is proportional and the unit rate is 0.01.

30. if you chose a car that cost 3000 and you pay 200 for each months how many months will it take to get to 5000

- a) 10 months b) 20 months
c) 5 months d) 25 months

b) 20 months

c) 5 months

d) 25 months