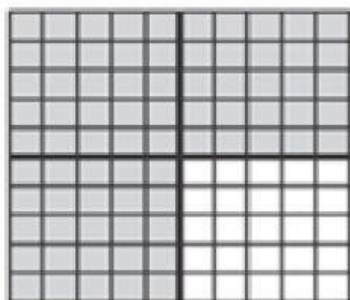


1.

1. What decimal is equivalent to $\frac{3}{4}$?



A. 0.25

B. 0.34

C. 0.75

D. 1.33

2.

Find the product of 6.1 and 4.9

7.93

B. 11.0

C. 29.89

D. 30.79

3.

3. Look at the table below. Which of the following has NOT been rounded correctly?

Population in 2005		
City	Exact Population	Estimated Population
Austin	690,252	690,300
Chicago	3,844,829	3,844,800
Seattle	557,087	557,100
St. Louis	912,332	912,330

A. Chicago

B. Austin

C. Seattle

D. St. Louis

4.

4. The number 13.76 is read as:

- A. Thirteen and seventy-six tenths
 - B. Thirteen and seventy-six hundredths
 - C. Thirteen and seventy-six thousandths
 - D. Thirteen thousand and seventy-six
-

5.

5. Ahmed is asked to check the answers to the multiplication problem below. Which number sentence could she use to check her answer?

$$23 \times 452 = 10,396$$

- | | |
|---------------------|-----------------------------|
| A. $23 + 452 = 475$ | C. $10,396 \times 23 = 452$ |
| B. $456 - 23 = 429$ | D. $10,396 \div 23 = 452$ |
-

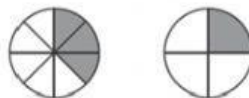
6.

6. How can you write 10,000,000 using exponents?

- A. 10^4 B. 10^5 C. 10^6 D. 10^7
-

7.

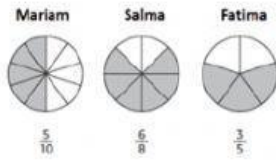
7. Sara ate $\frac{3}{8}$ of a pizza. Her friend ate $\frac{1}{4}$ of the pizza. How much did they eat together?



- A. $\frac{1}{3}$ B. $\frac{1}{2}$ C. $\frac{5}{8}$ D. $\frac{3}{4}$
-

8.

8. Mariam, Salma, and Fatima each sold slices of pie at the bake sale. The figures below show how they each cut their pie. The shaded parts represent the pieces they sold. What can you conclude from the data?



- A. Mariam and Salma sold $1\frac{1}{4}$ pies
B. Salma and Fatima sold $1\frac{1}{2}$ pies
C. Salma and Fatima each sold the same amount of pie
D. Mariam and Fatima sold $1\frac{3}{10}$ pies

9.

9. Latifa's mom bought a container with 150 bracelet beads for Latifa's birthday party. There were 8 girls at the party to equally share the beads. Between what two amounts of beads should each girl receive?

- A. Between 15 and 16
B. Between 16 and 17
C. Between 17 and 18
D. Between 18 and 19

10.

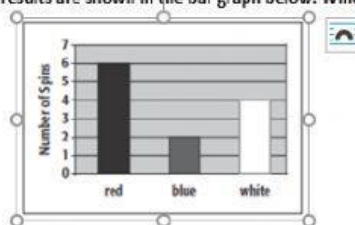
10. Which of the following expressions is equal to $\frac{4}{5} \times 7$?

- A. $4 \div 5 + 7$
B. $4 \times 7 \div 5$
C. $4 \times 7 \times 5$
D. $5 \div 4 \times 7$

11.

11. Mohammed spins a spinner 12 times. The results are shown in the bar graph below. Which fraction of spins were red or blue?

- A. $\frac{3}{12}$
B. $\frac{3}{4}$
C. $\frac{7}{12}$
D. $\frac{5}{6}$



12.

12. A salsa recipe calls for $\frac{1}{3}$ cup of onion. Mahra wants to multiply the recipe by 4. How many cups of onion will he need?



- A. $\frac{2}{4}$ cup
 B. 1 cup
 C. $1\frac{1}{3}$ cups
 D. $1\frac{2}{3}$ cups

13.

13. The menu below shows the prices at Lunchtime Café. Amina orders a turkey sandwich and two fruit cups. What expression should be used to determine the cost of her bill?

Lunchtime Café	
Item	Cost
Turkey Sandwich	4.50
Ham Sandwich	4.35
Salad	2.10
Fruit Cup	2.50
Juice	1.90

- A. $4.50 + (2 \times 2.50)$
 B. $4.50 + 2.50$
 C. $2.50 + (2 \times 4.50)$
 D. 4.50×2.50

14.

14. Each student in fifth grade donates 4 cans of food to the Red Crescent. There are 285 fifth-grade students. Which of the following shows the number of cans donated and the correct justification for the number?

- A. 71 because 285 divided by 4 is approximately 71
 B. 289 because 285 plus 4 is 289
 C. 1,120 because 280 times 4 is 1,120
 D. 1,140 because 285 times 4 is 1,140

15.

15. Mr. Khalid is joining a gym. There is a 150aed registration fee and a monthly fee of 28aed. Which expression show the total gym cost for a year?

- A. $(150 + 28) \times 12$
 B. $150 \times (28 + 12)$
 C. $(150 \times 12) + 28$
 D. $150 + (28 \times 12)$

16.

16. Each week, Melanie saves the same amount of money. After the third week, she has 30aed. After the fifth week she has 50aed. After the seventh week she has 70aed. Which operation could Melanie use to determine the amount of money she will have saved by the tenth week?

- A. Add 10 to the number of weeks
 B. Add 20 to the number of weeks
 C. Multiply 10 by the number of weeks
 D. Multiply 20 by the number of weeks

17.

17. Khadija created the following table of multiplication facts for 100. If the pattern continues, what is 100×12

#	$\times 100$
1	100
2	200
3	300
4	400
5	500

- A. 120
B. 210
C. 1,200
D. 2,100
-

18.

18. Manal created the table below. Which operation did she perform on the numbers in the left column to find the number in the right column?

x	y
1	9
2	10
3	11
4	12
5	13
6	14

- A. Add 8
B. Multiply 8
C. Add 9
D. Multiply 9
-

19.

19. Nouf notices that certain trucks have 6 wheels. Which table could she use to determine the number of wheels on five of these trucks?

A	Trucks	1	2	3	4	5
	Wheels	4	8	12	16	20
B	Trucks	1	2	3	4	5
	Wheels	6	12	18	24	30
C	Trucks	1	2	3	4	5
	Wheels	4	16	64	256	1024
D	Trucks	1	2	3	4	5
	Wheels	6	36	216	1296	7776

20.

20. Rouda is 4 years younger than her brother. Which expression could you use to determine Rouda's age, given her brother's age b ?

- A. $b + 4$ B. $b - 4$ C. $b \times 4$ D. $b \div 4$
-