## Accelerated Math 7 Practice test 2023

1. Which expres	ssion is equiv	alent to 4(15 - 7)
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A. 
$$(15+4)-(7+4)$$

C. 
$$15(4) - 7(4)$$

**B.** 
$$(15-7)+(15-4)$$

2. Which of the following expressions can be written as 
$$10(x-y)$$
?

4.



B.  $15 \cdot 2 + 10 \cdot 8$ 

$$C.15(2+8)$$

4. Identify the like terms in the expression 
$$7x + (4y + 3y) + 7$$
.

5. The area of a triangle can be determined by 
$$\frac{1}{2}bh$$
, where b is the length of the base and h is the height. What is the coefficient in the expression  $\frac{1}{2}bh$ ?

$n = b_i$	h?		
7	AL	WAYS	MBCR
-	1.	NU	WALL

A. 
$$4x + 7 + 2x - 4y = 6x + 3y$$

**B.** (a) + 
$$7$$
 +  $2x$  +  $4$  =  $4x$  +  $3y$    
**C.**  $2x + 7y + 2x - 4 = 4x + 3y$ 

**D.** 
$$4x + 7y + 2x - 4 = 4x + 3y$$
  
**D.**  $4x + 7y + 2x + 4y = 6x + 3y$ 

**D.** 
$$8 - 2c$$

T & CONSTANT	VARIABLE	
	77.	COEFFICIENT

	1			
- 1	1	_	1	

(A)

		+ 6) units, and 5x units. Which	10. X I L CONSTANT
expression represents the	A COLUMN TO THE PARTY OF THE PA		112 -10
<b>A.</b> $(11x + 16)$ units		11x - 4) units	2x +6
<b>B.</b> $(6x - 4 + 5)$ units	<b>D.</b> (1	14x + 8x + 5x)  units	3×1
and 5x represents the nur hours. Write an expression	nber of miles that Ling jo	of miles Trent jogged during a race, ogged during the same race, in x ore miles Ling jogged than Trent.  LING TRENT	11. LONSTANT  11. LONSTANT  2.2x -8  2.8x-8
12. Rewrite the following ex	pression using the Distrib $\cdot (-16) + 14 \cdot 16$	16 (-13 + 14) 566 PARE	16 (-13+14)
the area of the rectangle i	f the length is doubled?	is $(6x-2)$ units. What happens to	13. IF YOU DOUBLE THE LENGTH YOU ALSO DOUBLE THE ARM
14. Write an expression in fa n = 1000 $fout$ $f$	ctored form that is equiva $(8 \times +1)$	alent to the expression $\frac{3}{4}x + 24$ .	$\frac{3}{4}(x+32)$
hospital for x number of visit		10	7.5(3x+2) L FA
/.5X+5		alent to the sum of weekday and	16. 7,50x + 5 THE WEEKENS IS THE WEEKENS IS
weekend tickets.	ow how much greater the	e cost is for a weekend ticket than a	THE WEEKENS IS DOUBLE THE WEEKDAY
weekend tickets.  16. Write an expression to sh weekday ticket.	shaped garden is (12x+e side of the garden.	e cost is for a weekend ticket than a 20) feet. Write an expression to	17.  3x + 5 ft

13. 
$$\frac{3 \cdot (-16) + 14 \cdot 16}{(13 \cdot 16 \cdot -1) + (14 \cdot 16)}$$

$$\frac{13 \cdot 1 \cdot 13}{14 \cdot 14}$$

$$\frac{14 \cdot 14 \cdot 16}{14 \cdot 14}$$

$$\frac{13 \cdot 1 \cdot 13}{14 \cdot 14}$$

$$\frac{14 \cdot 14 \cdot 16}{14 \cdot 14}$$

$$\frac{13 \cdot 1 \cdot 13}{14 \cdot 14}$$

$$\frac{14 \cdot 14 \cdot 14}{14 \cdot 14}$$

$$\frac{14 \cdot 14 \cdot 14 \cdot 14}{14 \cdot 14}$$

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$$\frac{14 \cdot 14 \cdot 14 \cdot 14}$$

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