Dovious	for	Grada	7 District	Math	Assessmer	٠.
Review	' ior (Grace.	7 DISINCI	iviain	Assessmer	ш

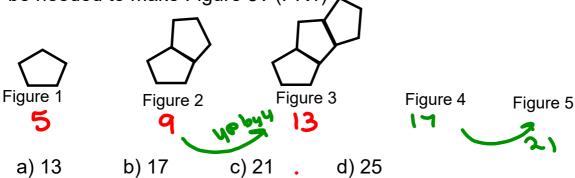
Name:		ois positive
1) If shaded is positive a	nd unshaded is negative	Ois negative what integer does
the picture represent? (N6	5) _ >2w	nshaded
6000 000	000	1ef+
		when Zero pairs
4shaded	6 un shaded	(-)
		(-2)

2) Write the addition statement for the above

$$(+4) + (-6) = -2$$

3) In a store, you buy 5 items at \$1.98 each and 3 items at \$1.48 each. You give the clerk \$20.00. Use estimation to decide about how much change you will receive. (N2)

4) If the pattern below is continued, how many line segments would be needed to make Figure 5? (PR1)



5) Find the median of the following numbers -11, -17, -25, -15 and -25. (SP1)

6) Complete the table below to represents the relation 7n - 2, where n represents the term number? (PR2) Show work

Term Number	1	2	3	4	5
Term	5	12	19	2	33
7(1)- 7 - 5	2 ~	14)-Z -2 Z		.3) -2 21 - 2 19

7) Which table below to represents the relation 3n + 4, where n represents the term number? (PR2)

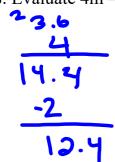
a)	Term Number	1	2	3	4	5
	Term	4	5	6	7	8

(h)	Term Number	1	2	3	4	5
	Term	7	10	13	16	19

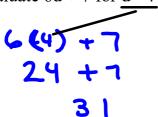
	Term Number	1	2	3	4	5
C)	Term	7	11	15	19	23

۹۱ ا	Term Number	1	2	3	4	5
u)	Term	3	7	9	11	13

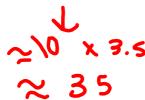
8. Evaluate 4m - 2, if m = 3.6. (PR5)



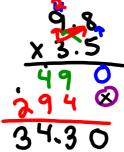
9. Evaluate 6d + 7 for d= 4



10. a) Estimate 9.8 x 3.5



B) Find the actual product



11. The temperature at $10:00 \text{ pm was} - 12^{\circ}\text{C}$. By midnight it had dropped 4°C . From midnight to 9:00 am the temperature rose 7°C. What was the temperature at

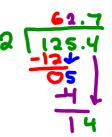
9:00am? (N6) SHOW WORK

12) Evaluate the following

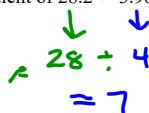
a) $(-5)_{\bar{1}}^{(+7)}$ b) $(+11)_{\bar{1}}^{(-8)}$ c) (+7) + (-10) $(-5)_{\bar{1}}^{(+7)}$ $(+11)_{\bar{1}}^{(+8)}$ $(-3)_{\bar{1}}^{(+7)}$ $(-3)_{\bar{1}}^{(+7)}$

13. Determine the quotient of $24.36 \div 0.4$





14. Estimate the quotient of $28.2 \div 3.98$



- 15) Evaluate -7 + 3y, if y = 5. -7 + 3(5) (-7) + 15 -7 + 3(5) (-7) + 15
 - 16. You sold the following items to 5 people: \$12, \$22, \$8, \$8, \$10.
 - a) What was the mean cost of the items? (Show work)

b) What was the median cost?

c) What was the range of the cost?

d) What was the mode cost?

17) Reduce the following fractions to lowest terms

- b) <u>6</u> **1** c) <u>24</u> **1**

18) Change the mixed Fraction to Improper







19) Change the improper Fraction to mixed

- a) <u>14</u>
- b) <u>127</u>

c) <u>13</u>

d) <u>48</u>

6

10

2

5

20) 13. What is the sum of

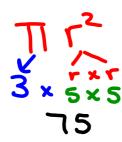
$$\frac{2^{\frac{1}{3}} + \frac{5}{6}}{3^{\frac{1}{12}} + \frac{5}{6}}$$
?

Need C.D

$$\frac{14}{6} + \frac{5}{6} = 3\frac{1}{6}$$

- 21) Which of the following is an estimate for the area of a circle with a radius of 5 cm? $(A = \pi r^2)$





- 22) Paul tosses a six-sided die. What is the probability that he will get a number greater than four? arroter than 4 => 5,6
- 23) A bag contains 4 red marbles, 6 blue marbles, 5 white marbles and 3 purple marbles. What is the probability for picking each of the following: 18 marbles

a) Probability of picking a red marble
$$P(Rd) = \frac{4rd}{10L} = \frac{4}{18} = \frac{2}{9}$$

b) Probability of picking a black marble

c) Probability of picking a marble that is NOT purple

$$A_{\Box} = L \times W$$

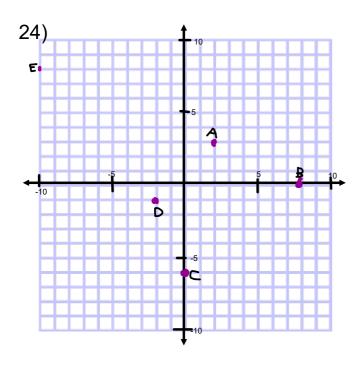
$$A_{\Delta} = \frac{b \times h}{2}$$

$$A_{\Delta} = b \times h$$

$$A_{\Delta} = b \times h$$

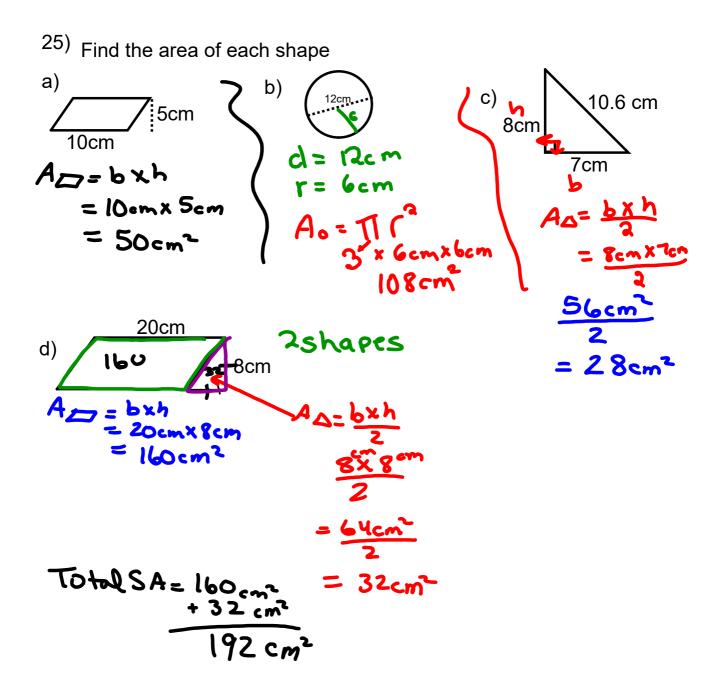
$$A_{\Delta} = T \Gamma^{2}$$

$$3.14 \times r \times r$$



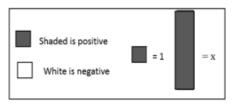
Write the coordinates for each tof the points on the grid.

- (2, 3)
- B (8,0)
- c (01-6)
- E (-10, 8)



26) What equation does the following model?

$$\frac{1}{4} = \frac{1}{2} = \frac{1}{2}$$



27) What is the value of x in the equation 25 = 5 -10? (PR6)

$$5x - 10^{4} = 25^{4}$$

 $\frac{5x}{5} = \frac{35}{5}$
 $x = 7$

28) Solve each of the following

a)
$$3x-7=11$$
 b) $x + 4 = 5$ c) $x + 12 = 21$
 $x + 12^{-1} = 31^{-1}$
 $x + 12^{-1} = 31^{-1}$

29) Find the circumference of a circle if the radius is 14cm.