Name: DMR – Q3.7

(NO CALC)

Which expressions are equivalent to 3(10+4)?

A. 3(14)

B. 30+4

C. 30+12

D. 3 + (10+4)

E. (10+4)+ (10+4)+(10+4)

State whether each is true or false:

$3^2 < \frac{3}{16} + \frac{1}{4}$ **T or F**

$2(2^3 + 4 \times 3) \geq 5 \times 8$ **T or F**

$14.2 \times 2 - 13.5 < 36 \div 4 + 3.68$

T or F

Evaluate:

$$3\frac{2}{3} - (-2\frac{4}{5})$$

(CALC)

A zoo surveyed 90 of their annual members about the number of time they visit the zoo every month. The table shows the information

Visits per month	Number of members
0	3
1	9
2	30
3	12
4	8
5 or more	3

There are a total of 630 members. What is the best estimate for the number of members that will visit more than 2 times next month?

A 371

B 161

C 210

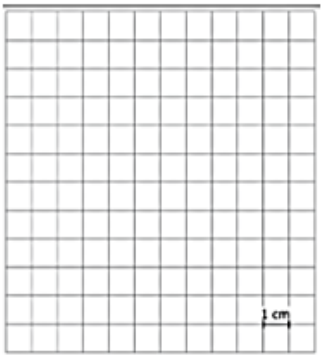
D 30

A recipe for one strawberry pie calls for $1\frac{3}{4}$ cups of sugar. Ziah only has $\frac{1}{3}$ cup of sugar and she needs to make 4 pies. How many **more** cups of sugar will she need to make all 5 pies?

An item on the sale rack at a store was marked $3.33. The original price of the item was $5.75. What was the percent discount?

(NO CALC)

A square garden has sides that are 12 feet in length. Using the graph paper, draw a square drawing of the garden using a scale of 3 cm = 4 ft



Match each fraction on the left with its equivalent decimal on the top.

	Decimals			
	0.375	$0.37\overline{5}$	$0.\overline{36}$	0.36
$\frac{4}{11}$				
$\frac{6}{16}$				

Which expression is equivalent to: $0.12x$?

A. $0.12x - x$

B. $1 - 0.88x$

C. $x + 0.12$

D. $x - 0.88x$

CALC

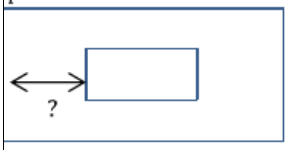
Select all of the expressions that are equivalent to

$$\frac{1}{3}(12x + 15) - \frac{1}{2}(4x - 6)$$

A. 2(x+1)
B. 2x+8
C. 2x+2
D. 2(x+4)
E. 10x

Sandals are on sale for 20% off. The original price of one pair of sandals is $18. What is the total cost of **two** pairs of sandals at the sale price and including a 7% sales tax?

Maggie is hanging a picture on a wall that is $8\frac{1}{2}$ feet long. The picture is 32 inches across and will be hung in the center of the wall, as shown below.
What is the distance, in inches, from one edge of the wall to the picture?



8.5 ft