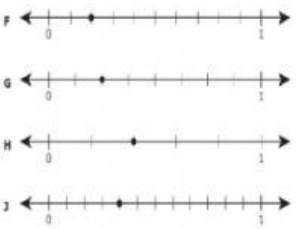
Name: _____ **Homework #2** Score = _____/20

Directions: Each day Thursday through Wednesday (not including weekends), there are 1-4 questions to complete for homework. You may complete the work in the space provided. If you choose to work on a separate sheet of paper, record your answer in the appropriate box, and staple your separate sheet of paper to this one. ***To earn full credit, you must show some work when solving equations.***

**IMPORTANT: Go to this link and insert your answers →

Thursday	An engine is operating at 25% of its full power. Which number line shows a point that represents 25%?  	There is a 1 in 8 chance of a player winning a game. Which value is equivalent to the chance of the player winning a game? F $\frac{100}{125}$ G $\frac{125}{10}$ H 1.25 J 0.125	In a neighborhood $\frac{12}{40}$ of the lots have three or more trees. Which percentage is equivalent to the portion of lots in the neighborhood with three or more trees? F 12% G 35% H 24% J 30%	Carlos walked to school on 14 of the 20 school days in February. Which value is equivalent to the fraction of the school days in February that Carlos walked to school? A 70% B 0.07 C 0.142 D 56%
Friday	A waiter earned a 17% tip. What decimal is equivalent to 17%?	A company spent 32% of its annual budget developing a new machine. What fraction of the company's budget was spent developing the new machine? F $\frac{1}{32}$ G $\frac{5}{16}$ H $\frac{8}{25}$ J $\frac{4}{125}$	A farmer watered $\frac{3}{8}$ of a field. What percentage is equivalent to the fraction of the field the farmer watered? A 24.00% B 37.50% C 8.30% D 3.75%	A meteorologist at a television station reported that a town received 0.95 inches of rain. Which fraction is equivalent to this amount of rain in inches? F $\frac{19}{50}$ in. G $\frac{19}{20}$ in. H $\frac{95}{10}$ in. J $\frac{9}{5}$ in.

Monday

A coat is discounted 40% off its regular price. Which value is equivalent to 40%?

A $\frac{1}{25}$

B 0.004

C 40

D $\frac{2}{5}$

A can contains 24 fluid ounces of fruit juice. How many pints of fruit juice does the can contain?

A 12 pt

B 3 pt

C $1\frac{1}{2}$ pt

D $\frac{1}{3}$ pt

In a recipe 3 eggs are used to make 45 cookies. Which table shows the relationships between the number of eggs used and the number of cookies made?

F

Cookies

Number of Eggs	Number of Cookies
6	270
9	405
12	540
15	675

H

Cookies

Number of Eggs	Number of Cookies
6	15
9	15
12	15
15	15

G

Cookies

Number of Eggs	Number of Cookies
6	90
9	135
12	180
15	225

J

Cookies

Number of Eggs	Number of Cookies
90	6
135	9
180	12
225	15

Tuesday

A certain type of brass contains 65% copper. How many pounds of copper are contained in 120 pounds of the brass?

On Wednesday 72% of the customers who bought gas at a gas station made additional purchases. There were 250 customers who bought gas. How many of these 250 customers made additional purchases?

A shop owner offered a 20% discount off the regular price of a mirror. The amount of the discount is $3. What is the regular price of the mirror?

A $15

B $6

C $9

D $18

What percentage of 300 is 12?

F 4%

G 12%

H 25%

J 0.04%

Wednesday

What is 35% of 20?

A 4

B 7

C 15

D 6

Solve.

$6 + (-4)^3$

F 8

G 6

H −70

J −58

Solve.

$24 - 5^2$

Which expression is equivalent to $4(3 + 5) - 3 \times 9^2$?

A $14 \cdot 81$

B $17 - (27)^2$

C $12 + 20 - 54$

D $4(8) - 3 \cdot 81$