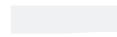


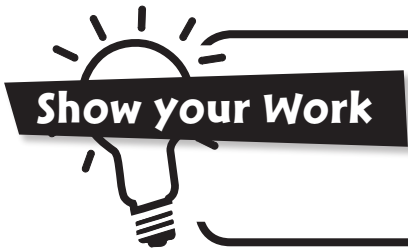
NAME: _____



Activity One



1a) Jenna, Charmaine, Rhonda and Aubrey go shopping for the afternoon at the mall. Jenna spends $\frac{3}{5}$ of her money, Charmaine spends 70% of her money, Rhonda spends .72 of her money and Aubrey spends $\frac{13}{20}$ of her money. Who has the largest percentage of money left?



Answer: _____

b) If Bert is older than Ken, Ken is older than Shawn, Shawn is younger than Bert and Laurie is older than Bert. List the people from oldest to youngest.

c) Find two numbers whose difference is 376. Now find three other pairs of numbers whose difference is 376.

--	--	--	--

d) Joanie is flying to visit her friend, Cecelia, in Portland. It is a six hour flight and the girls live 1860 miles (2993 kilometers) apart. How fast will the plane average in Joanie's flight?



Answer: _____

NAME: _____



Activity Two

- 2a)** Jasper takes a road trip to the Grand Canyon this summer. On the way he records his car's odometer reading. He is careful about traveling the whole way at about the same speed and makes only one 30 minute stop to stretch his legs and gas up.

Time	Reading (miles)	Reading (kilometers)
9:00 am	12 344	19 866
10:00 am	12 396	19 949
11:00 am	12 447	20 080
12:00 noon	12 501	20 118
1:00 pm	12 534	20 172
2:00 pm	12 593	20 267

When did Jasper probably make his pit stop? Answer: _____

- b)** How many addition signs should be put between the digits of the number 987654321 and where should we put them to get a total of 99?

Answer: _____

- c)** Kyle and his parents are moving to the other end of the city. They have hired a moving company to move them. The company charges a flat fee of \$240.00 plus a rate of \$36.50 per hour. If their bill was \$678.00, how many hours did it take the company to move them?

Show your Work

Answer: _____

- d)** Jasmine's family purchased a new wide screen television for the family room. They put \$375.00 down on the set and made six monthly payments of \$212.50. At the end of the six months they still owe \$408.25. What was the original price of the television?

Answer: _____



Activity Three

3a) Complete the following chart.

Decimal	Percent	Fraction
0.75		
	30%	
		$\frac{2}{5}$
0.85		
	15%	
1.25		

b) Calculate the percent for each of the following.

i) 

Answer: _____%

ii) The percentage of sunflowers.



Answer: _____%

c) Nadine went to the store for a few groceries. Calculate the change Nadine would receive from a \$20 bill if she purchased the following items:

- 3 cans of soup at \$1.37 per can
- 4 lbs of hamburger at \$1.59 / lb (.72/kg.)
- 6 bottles of cola at .99¢ per bottle

Show your Work



Answer: _____

NAME: _____



Activity Four

4a) On Monday, a particular stock was worth \$75.00. On Tuesday, the price went up 10%. On Wednesday, it dropped by 20%. Then on Thursday, it rose by another 30%. What was it worth by then?

Show your Work

Answer: _____

b) Two unknown numbers have a sum of 8 and a product of 15. What are the two numbers?

Answer: _____

c) Determine which of the following pairs of fractions is larger by including either $>$ or $<$.

i) $\frac{3}{5}$ $\frac{2}{4}$ ii) $\frac{7}{8}$ $\frac{9}{10}$ iii) $\frac{2}{7}$ $\frac{3}{8}$ iv) $\frac{4}{5}$ $\frac{5}{7}$

d) Determine the missing numerator or denominator.

i) $\frac{4}{7} = \frac{\quad}{21}$ ii) $\frac{1}{5} = \frac{\quad}{30}$ iii) $\frac{3}{\quad} = \frac{9}{15}$ iv) $\frac{7}{8} = \frac{49}{\quad}$

e) In a math test with 40 questions, Charles had $\frac{4}{5}$ of the questions right and Barbara had 25% incorrect. Who had the better mark?

Show your Work

Answer: _____



Activity Five

5a) What number, when placed in the box, would make the following equation true?

i) $7 \times \square - 6 = 40 + 3$

ii) $9 \times 3 + \square = 46 - 16$

iii) $89 + 32 = 11 \times \square$

b) Sammy has a total of twenty toy trucks in his collection. Seven of them were red, three were blue, two were black and the rest were green. How many were green?

Answer: _____

c) Round the following to the nearest thousands.

i) 64 237 _____

ii) 3 672.12 _____

iii) 987 _____

d) Calculate the following.

i) $\frac{1}{3} \div \frac{1}{3} =$ _____

ii) $\frac{3}{4} \div \frac{2}{3} =$ _____

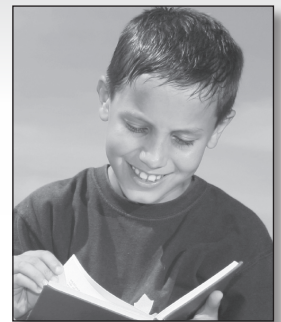
iii) $\frac{5}{8} \div \frac{3}{8} =$ _____

e) What number is missing from this pattern? 8, ____, 26, 35, 44

Answer: _____

f) For the school Read-a-thon this year, Jacob and friends read the following number of books.

Student	# of Books
Jacob	12
Jesse	31
Aaron	19
Nicholas	14
Sara	12



Investigate the following from these statistics:

Mean	Mode	Median

NAME: _____



Activity Six



6a) If $A:B = 7:3$ What is B if A is 35?

Answer: _____

b) If $C:D = 5:1$ What is C if D is 5?

Answer: _____

c) If $A:B = 1:11$ What is B if A is 4?

Answer: _____

d) If $C:D = 6:2$ What is C if D is 16?

Answer: _____

e) What are the reciprocals of the following fractions?

i) $\frac{3}{5}$ _____ ii) $\frac{9}{10}$ _____ iii) $\frac{1}{2}$ _____ iv) $1\frac{2}{3}$ _____

f) Multiply the following mixed numbers (show your work).

i) $1\frac{2}{3} \times 2\frac{1}{3} = \underline{\hspace{2cm}}$

ii) $4\frac{5}{8} \times 2\frac{1}{2} = \underline{\hspace{2cm}}$

g) What number does $2^2 \times 5 \times 3^3$ represent?

Answer: _____

1.

a) Convert to decimals. Jenna has .40 left, Charmaine .30 left, Rhonda .28 left and Aubrey .35 left. Therefore Jenna has the most left.

b) Laurie – Bert
– Ken – Shawn

c) Answers will vary (i.e. $400 - 24 = 376$)

d) 310 m/hr
(499 km/hr)

1A

2.

a) Between noon and 1:00 p.m. (Then he travels only 33 miles (53 km), compared to 50+ miles (80 km.) at all other times.)

b) $9+8+7+65+4+3+2+1 = 99$

c) $\$678 - \$240.00 = \$438 / \$36.50 = 12$ hours.

d) $\$212.50 \times 6 = \$1275 + \$375 + \$408.25 = \$2058.25$

2A

3.

a) 75% $\frac{3}{4}$
0.30 $\frac{3}{10}$
0.40 40%
85% $\frac{85}{100}$ or $\frac{17}{20}$
0.15 $\frac{15}{100}$ or $\frac{3}{20}$
125% $1 \frac{1}{4}$

b) i) 25%
ii) 40%

c) $\$20.00 - 16.41 = \3.59

3A

4.

a) $\$75 \times 1.1 = \82.50
 $\times .80 = \$66.00 \times 1.3 = \85.80

b) 3 and 5

c) i) $>$
ii) $<$
iii) $<$
iv) $>$

d) i) $12/21$
ii) $6/30$
iii) $3/5$
iv) $49/56$

e) Charles -
Charles ~ 32/40
Barbara ~ 30/40

4A

5.

a) i) 7
ii) 3
iii) 11

b) 8

c) i) 64 000
ii) 4 000
iii) 1000

d) i) 1
ii) $1^1/8$
iii) $1^2/3$

e) 17

f) Mean = 17.6
Mode = 12
Median = 14

5A

6.

a) B=15
b) C=25

c) B=44
d) C=48

e) i) $5/3$
ii) $10/9$
iii) $2/1$
iv) $3/5$

f) i) 3 8/9
ii) 11 9/16

g) 540

6A



(these answers are for the 6 free bonus pages, see page 3 for download instructions)