Name **5th**

1. Select all the expressions that are equal to $\frac{5}{9} \times 8$. $\frac{5 \times 8}{9}$

   ☑ $5 \times 8 \div 9$

   ☐ $5 \div 8 \times 9$ $\frac{5}{8 \times 9}$

   ☑ $\frac{8}{9} \times 5$

   ☐ $9 \div 5 \times 8$ $\frac{9}{5 \times 8}$

   ☐ $\frac{5}{8} \times 9$ $\frac{5 \times 9}{8}$

2. Find the sum.

   $\frac{2}{5} + \frac{3}{6}$

   A $\frac{5}{11}$

   B $\frac{5}{10}$

   C $\frac{2}{3}$

   D $\frac{27}{30}$

   $\frac{2}{5} \times \frac{6}{6} = \frac{12}{30}$

   $+ \frac{3}{6} \times \frac{5}{5} = \frac{15}{30}$

   $\frac{27}{30}$

3. Aaron has $30. He wants to spend $\frac{2}{5}$ of his money on comic books. How much does he want to spend?

   A $6

   B $8

   C $10

   D $12

   $\frac{2}{5} \times 30$

   $\frac{2 \times 30^6}{5} = 12$

4. Find the product.

   82.71×10^3 (1000) $\frac{3}{place}$ $values$

   A 8,271

   B 82,710

   C 827,100

   D 8,271,000

5. Use compatible numbers to estimate the quotient of 3,780 ÷ 90. What compatible numbers did you use? Will your estimate be an underestimate or overestimate? Explain why.

   $3780 \rightarrow 3600 \div 90$
   $= 40$

   Underestimate because I rounded down so the quotient will be greater

6. Of the 64 students in grade five, $\frac{3}{8}$ of them either walk or ride a bike to school. The rest take a bus. How many fifth graders take a bus to school?

   $\frac{5}{8} \times 64$

   $\frac{5}{8}$ of 64 students

   is 40 students

7. The owner of a vegetable stand posts his prices every morning on a blackboard.

Today's Specials	
Green Beans	$1.19/lb
Zucchini	$0.99/lb
Lettuce	$1.29/lb
Sweet Corn	$0.50/ear

   How much will Maya pay for 3 pounds of green beans, 2 pounds of zucchini, 1 pound of lettuce, and 6 ears of sweet corn?

   $9.84

   $1.19 \times 3 = 3.57$ $.99 \times 2 = 1.98$

   3.57 GB
   1.98 Z
   1.29 L
   3.00 C
   9.84

1. Jeff and Sara both joined sport's clubs at the same time. Jeff's club charges $50 to join, plus dues of $25 per month. Sara's club charges $75 to join, plus dues of $25 per month. Which statement is true?

   A̶ Jeff will always have spent $25 more than Sara.

   B̶ After 1 year, Jeff and Sara will have spent the same amount.

   C Sara will always have spent $1\frac{1}{2}$ times as much as Jeff.

   (D) Sara will always have spent $25 more than Jeff.

   [handwritten table on left margin]
month	J	S
start	50	75
1	75	100
2	100	125
3	125	150

2. A cardboard carton has the shape of a rectangular prism. The carton has length 18 inches, width 14 inches, and height 10 inches. Which of the following expressions could **NOT** be used to find the volume of the carton?

   A 14 × (10 × 18) ✓

   (B) (2 × 18) + (2 × 14) + 10

   C 140 × 18 ✓

   D (18 × 14) × 10 ✓

3. Which quotient can be found with this model?
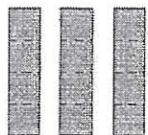
   [handwritten: 3 whole divided into fourths]

   A 3 ÷ 4

   B 4 ÷ 3

   (C) $4 ÷ \frac{1}{3} = 12$

   (D) $3 ÷ \frac{1}{4}$

   [handwritten: = 12]

Olivia is making a table to compare quarts, cups, and fluid ounces.

4. Use the rule "add 4" to complete the column for the number of cups. Then use the rule "add 32" to complete the column for the number of fluid ounces.

Quarts	Cups	Fluid Ounces
1	4	32
2	8	64
3	12	96
4	16	128
5	20	160
6	24	192

5. Olivia made a pot of 9 quarts of soup. How many cups of soup are in the pot? How many fluid ounces are in the pot?

   __36 cups ; 288 fl oz.__

   [handwritten: 9 qt × 4 c per qt; 9 qt × 32 fl oz per qt; 32 × 9 = 288]

6. Evaluate.

   $15 + 28 - [(2.8 × 5) ÷ 7]$

   $15 + 28 - [14 ÷ 7]$

   $15 + 28 - 2$

   $43 - 2 = (41)$

   [handwritten: 2.8 × 5 = 14.0]

7. Mona pays $1.00 for the first phone call of the day on her mobile phone, plus $0.15 per minute of the call. She paid $2.95 for her first call today. Write an expression that you could use to calculate the length, in minutes, of the phone call.

   $(2.95 - 1.00) ÷ 0.15$