

Name: \_\_\_\_\_

# PRACTICE TESTS & REVIEW BOOKLET

## MATH 8

Name: \_\_\_\_\_

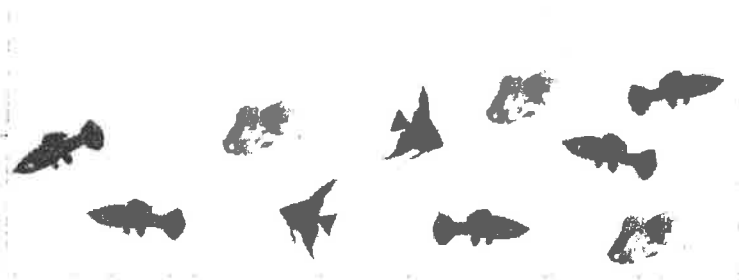
Date: \_\_\_\_\_

BLM 2-12

## Chapter 2 Test

For #1 to #4, choose the best answer.

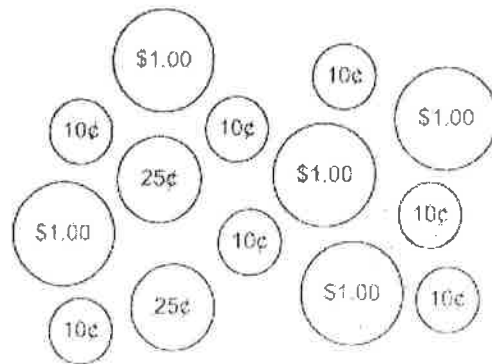
1. The ratio of Monica's coloured pencils to Harry's coloured pencils is 3 : 5. If Harry has 40 coloured pencils how many coloured pencils does Monica have?  
**A** 16                      **B** 21                      **C** 24                      **D** 32
2. Seven kilograms of salmon cost \$101.50 at the fish market. What is the unit price of the salmon?  
**A** \$13.75/kg              **B** \$14.50/kg              **C** \$15.00/kg              **D** \$16.25/kg
3. What percent of the fish in the tank below are goldfish?  
**A** 30%  
**B** 36%  
**C** 40%  
**D** 48%



4. The food bank provides 28 cans of soup, 12 packages of pasta, and 15 cans of vegetables in each food basket. If there are 336 packages of pasta, how many cans of soup and vegetables will be needed to make food baskets?  
**A** 392 cans of soup and 210 cans of vegetables  
**B** 728 cans of soup and 390 cans of vegetables  
**C** 784 cans of soup and 420 cans of vegetables  
**D** 1568 cans of soup and 840 cans of vegetables

### Short Answer

5. Use these coins to help you answer the following questions.
  - a) What is the ratio of quarters to dimes?
  - b) What is the ratio of loonies : total coins?
  - c) What is the ratio of loonies to dimes to quarters?
  - d) Identify two equivalent ratios for the answer in part a).
  - e) What percent of coins are dimes?
  - f) What fraction of the coins are quarters?



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## Chapter 4 Test

For #1 to #5, choose the correct answer.

1. What is 78.2% as a decimal?

- A 0.782      B 7.82      C 78.2      D 782

2. What is  $\frac{3}{16}$  as a percent?

- A 1.875%      B 18.75%      C 187.5%      D 1875%

3. What is 12.5% as a fraction?

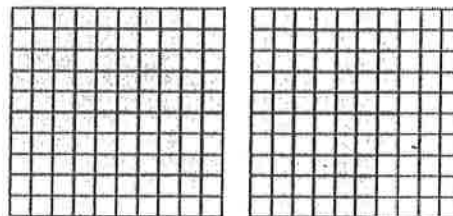
- A  $\frac{1}{8}$       B  $\frac{3}{16}$       C  $\frac{1}{4}$       D  $\frac{3}{8}$

4. What is 3.194 as a percent?

- A 3.194%      B 31.94%      C 319.4%      D 3194%

5. One completely shaded grid represents 100%. What percent does the diagram represent?

- A 0.167%  
B 1.67%  
C 16.7%  
D 167%



### Short Answer

6. Convert each of the following:

- a) 48% to a decimal and a fraction in lowest terms  
b) 3.375 to a percent and a fraction in lowest terms  
c)  $\frac{4}{5}$  to a decimal and a percent

7. Determine the following. Write your answer to the nearest tenth.

- a) 94% of 63      b) 146.3% of 300  
c) 7 out of 12 as a percent      d) 18 out of 80 as a percent  
e) 60% of 78      f) 0.05% of 1000

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BLM 6-21

## Chapter 6 Test

Do not use a calculator for this test.

For #1 to #5, select the best answer.

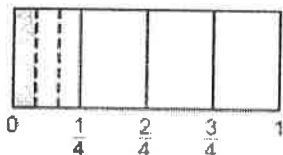
1. What is  $4\frac{1}{3}$  as an improper fraction?

- A  $\frac{5}{3}$       B  $\frac{8}{3}$       C  $\frac{13}{3}$       D  $\frac{16}{3}$

2. What is  $\frac{15}{8}$  as a mixed number?

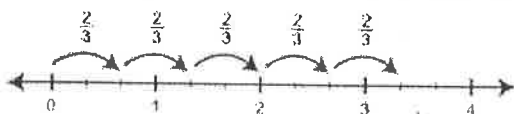
- A  $1\frac{3}{4}$       B  $1\frac{7}{8}$       C  $2\frac{3}{8}$       D  $2\frac{3}{4}$

3. Which expression does the fraction strip represent?



- A  $\frac{1}{3} \div 4$       B  $\frac{1}{4} \div 3$       C  $\frac{1}{5} \div 6$       D  $\frac{1}{6} \div 5$

4. Which expression does the number line represent?



- A  $\frac{1}{3} \times 3$       B  $\frac{2}{3} \times 4$       C  $\frac{1}{3} \times 11$       D  $\frac{2}{3} \times 5$

5. Which expression has  $\frac{2}{5}$  as an answer?

- A  $2\frac{2}{3} \div 1\frac{1}{5}$       B  $1\frac{3}{5} \times 1\frac{1}{2}$       C  $1\frac{2}{5} \times 1\frac{2}{7}$       D  $2\frac{1}{5} \div 5\frac{1}{2}$

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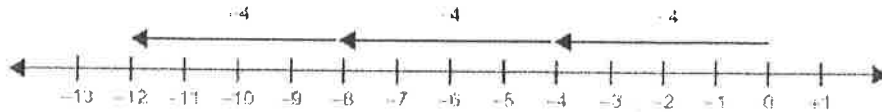
**BLM 8-12**

## Chapter 8 Test

Do not use a calculator for this test.

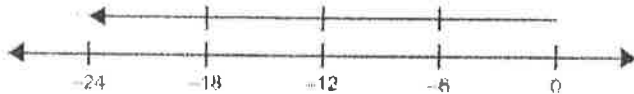
For #1 to #5, select the best answer.

1. Which multiplication does the diagram represent?



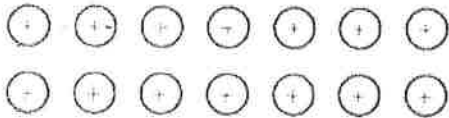
- A**  $(-4) \times (+3)$       **B**  $(-3) \times (-4)$       **C**  $(-3) \times (+4)$       **D**  $(+4) \times (+3)$

2. Which division could the diagram represent?



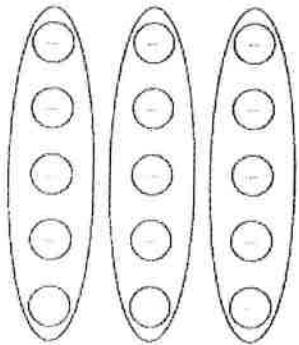
- A**  $(+24) \div (+4)$       **B**  $(+24) \div (-4)$       **C**  $(-24) \div (+6)$       **D**  $(-24) \div (-6)$

3. What is the final value of this multiplication question?



- A**  $+14$       **B**  $+7$       **C**  $+2$       **D**  $-14$

4. What is the final value of this division question?



- A**  $+5$       **B**  $-3$       **C**  $-5$       **D**  $-15$

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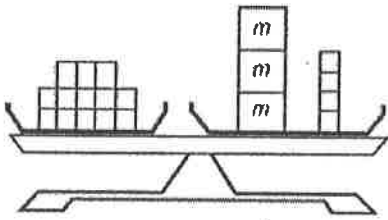
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**BLM 10-13**

## Chapter 10 Test

For #1 to #5, select the best answer.

- What is the result of applying the distributive property to  $3(a + 2)$ ?  
**A**  $3a - 2$       **B**  $3a + 2$       **C**  $3a - 6$       **D**  $3a + 6$
- What is the opposite operation of addition?  
**A** addition      **B** subtraction      **C** multiplication      **D** division
- For which of the equations would you add 12 as the first step in the solution?  
**A**  $2(m - 12) = 3$       **B**  $14 = \frac{x}{12}$       **C**  $13 = y - 12$       **D**  $12w - 5 = 7$
- For which of the equations would you divide by 3 as the first step in the solution?  
**A**  $15 = 3h$       **B**  $4m - 3 = 5$       **C**  $2a - 1 = 3$       **D**  $\frac{x}{3} = 7$
- Which equation is modelled by this diagram?



- A**  $13 + 3m = 4$       **B**  $13 = 3m + 4$       **C**  $13 = 3m - 4$       **D**  $13 - 3m = 4$

### Short Answer

6. Solve.

a)  $x + 2 = 7$

b)  $\frac{a}{4} = 8$

c)  $24 = 2a$

d)  $-4y = 16$

e)  $\frac{m}{5} = -3$

f)  $-9 = \frac{n}{-7}$

g)  $-17 = -5 + h$

h)  $-5k = -30$