Name: _____     Date: _____

# Chapter 6 Test

Do not use a calculator for this test.

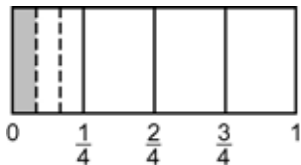*For #1 to #5, select the best answer.*

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

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

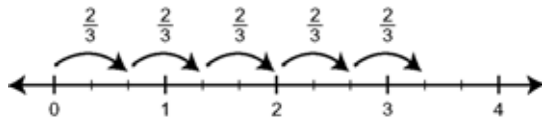**2.** What is $\frac{15}{8}$ as a mixed number?

**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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## Short Answer

**6.** Draw a diagram to model this division. In your own words, explain the diagram.

$$\frac{1}{2} \div \frac{1}{8} = 4$$

**7.** Evaluate.

**a)** $\frac{2}{3} \times 4$        **b)** $1\frac{2}{5} \times 3\frac{4}{7}$        **c)** $\frac{5}{7} \div \frac{1}{6}$

**d)** $5\frac{1}{2} \div 3$        **e)** $\frac{1}{2} \div \left(\frac{2}{3} + \frac{1}{4}\right)$        **f)** $\frac{3}{4} + \frac{1}{3} \times \frac{1}{2} - \frac{3}{12}$

**8.** Three friends share a chocolate bar. The first friend takes $\frac{1}{2}$ of the bar and the second takes $\frac{1}{3}$ of the amount that is left. How much of the original bar will the third person receive?

**9.** Trent feeds his cattle $\frac{2}{7}$ of a square bale each. He has 84 cattle. How many bales will he need to feed his cattle?

**10.** Bonnie's snowmobile uses $\frac{4}{5}$ of a litre of gas to travel 12 kilometres. How far can she travel using 20 L of gas?

**11.** Mr. Stewart has 28 licorice sticks. Each student in his class receives $1\frac{1}{6}$ of a licorice stick. How many students are in his class?

## Extended Response

**12.** In each of her 24 training sessions, Michelle ran $\frac{3}{4}$ of a $5\frac{1}{2}$-km trail and walked the rest.
**a)** What is the distance Michelle ran in one session?
**b)** What is the total distance Michelle walked in the 24 sessions?