

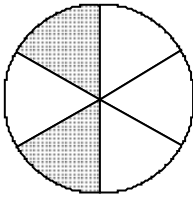


Max Aitken Academy  
**Math 7 - Quiz - Unité 5**

Nom : \_\_\_\_\_

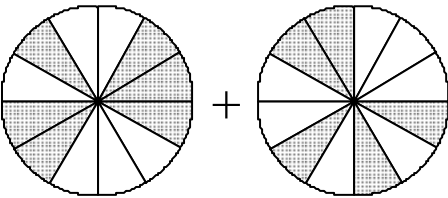
**Choix Multiples**

\_\_\_\_\_ 1. Quelle partie du cercle est coloriée?



- a.  $\frac{1}{2}$                       b.  $\frac{1}{3}$                       c.  $\frac{1}{4}$                       d.  $\frac{1}{8}$

\_\_\_\_\_ 2. Trouve la somme des cercles fractionnaires qui sont coloriés.



- a.  $\frac{5}{12}$                       b.  $\frac{11}{12}$                       c.  $1\frac{1}{10}$                       d.  $\frac{1}{12}$

\_\_\_\_\_ 3. Additionne:  $\frac{1}{6} + \frac{1}{12}$

- a.  $\frac{1}{4}$                       b.  $\frac{1}{3}$                       c.  $\frac{1}{36}$                       d.  $\frac{1}{18}$

\_\_\_\_\_ 4. Quelle fraction est équivalente à  $\frac{9}{12}$ ?

$$\frac{6}{9}, \frac{12}{15}, \frac{3}{4}, \frac{3}{9}$$

- a.  $\frac{3}{4}$                       b.  $\frac{6}{9}$                       c.  $\frac{12}{15}$                       d.  $\frac{3}{9}$

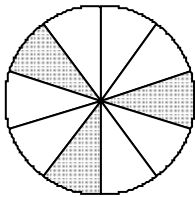
\_\_\_\_\_ 5. Additionne:  $\frac{3}{4} + \frac{5}{6}$

- a.  $\frac{19}{12}$                       b.  $\frac{4}{5}$                       c.  $\frac{19}{5}$                       d.  $\frac{1}{3}$

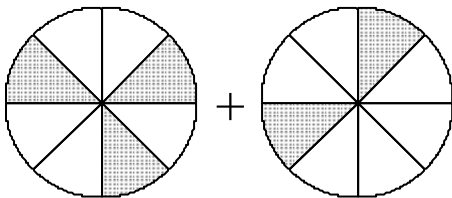
- \_\_\_ 6. Il y a des crayons dans un étui. Carol prend  $\frac{1}{2}$  des crayons et Brian prend  $\frac{1}{5}$  des crayons.  
Quelle fraction des crayons reste-t-il dans l'étui?  
a.  $\frac{3}{10}$                       b.  $\frac{7}{10}$                       c. 10                      d.  $14\frac{2}{7}$
- \_\_\_ 7. Trouve un dénominateur commun pour  $\frac{2}{3}$  et  $\frac{1}{2}$ .  
a. 6                      b. 5                      c. 3                      d. 8
- \_\_\_ 8. Anne peint un mur de la classe d'art. Elle utilise  $\frac{3}{4}$  L de peinture bleue et  $\frac{2}{3}$  L de peinture blanche.  
Quelle quantité de peinture est-ce qu'elle utilise?  
a.  $\frac{5}{12}$  L                      b.  $\frac{5}{7}$  L                      c.  $1\frac{5}{12}$  L                      d.  $1\frac{1}{2}$  L
- \_\_\_ 9. Tu coupes des légumes pour un ragout. Tu as  $\frac{3}{4}$  de tasses de carottes,  $\frac{2}{3}$  de tasse d'oignons, et  $\frac{1}{2}$  tasse de navet.  
Approximativement combien de tasses de légumes as-tu coupé?  
a. 1 tasse                      b. 2 tasses                      c. 3 tasses                      d.  $\frac{1}{2}$  tasses

### Réponse Courte

10. Quelle fraction du cercle est coloriée?



11. Trouve la somme des cercles fractionnaires coloriés.



12. Additionne:  $\frac{2}{3}$  et  $\frac{3}{5}$

13. Une grande pizza a 12 morceaux. Tasha prend 3 morceaux et Rena prend 4 morceaux. Quelle fraction de la pizza a été prise?
14. Une boîte contient 63 chocolats. Connie mange  $\frac{1}{3}$  des chocolats et Jorge mange  $\frac{1}{7}$  des chocolats.
- a) Quelle fraction des chocolats a été mangée par Connie et Jorge?
- b) Combien de chocolats ont-ils mangé?
15. Trouve la valeur de  $x$  pour que l'équation soit vraie.
- $$\frac{6}{8} = \frac{15}{x}$$
16. Maya collecte l'aluminium pour recycler. Elle collecte  $\frac{1}{2}$  kg d'aluminium la première semaine et  $\frac{1}{6}$  kg d'aluminium la deuxième semaine.
- a) Quelle semaine as-t-elle collecté le plus d'aluminium?
- b) Combien d'aluminium Maya a-t-elle collecté en 2 semaines?

### Problèmes

17. Additionne:  $\frac{1}{5} + \frac{1}{6} + \frac{1}{30}$

18. Une boîte contient 24 barres de granola. Mme Manuel prend  $\frac{1}{2}$  des barres et Mme Squire prend  $\frac{1}{4}$  des barres.

a) Quelle fraction des barres ont-elles prise en tout?

b) Combien de barres de granola ont été prises de la boîte?

19. Un rectangle a une longueur de  $\frac{3}{5}$  m et une largeur de  $\frac{1}{3}$  m. Quel est le périmètre du rectangle?

## unite 5 Quiz bon Answer Section

### MULTIPLE CHOICE

1. ANS: B                      PTS: 1                      DIF: Easy                      REF: 5.1 Using Models to Add Fractions  
LOC: 7.N5                      TOP: Number                      KEY: Conceptual Understanding
2. ANS: B                      PTS: 1                      DIF: Moderate                      REF: 5.1 Using Models to Add Fractions  
LOC: 7.N5                      TOP: Number                      KEY: Conceptual Understanding
3. ANS: A                      PTS: 1                      DIF: Moderate                      REF: 5.1 Using Models to Add Fractions  
LOC: 7.N5                      TOP: Number                      KEY: Conceptual Understanding
4. ANS: A                      PTS: 1                      DIF: Easy  
REF: 5.2 Using Other Models to Add Fractions                      LOC: 7.N5  
TOP: Number                      KEY: Conceptual Understanding
5. ANS: A                      PTS: 1                      DIF: Moderate  
REF: 5.2 Using Other Models to Add Fractions                      LOC: 7.N5  
TOP: Number                      KEY: Conceptual Understanding
6. ANS: A                      PTS: 1                      DIF: Difficult  
REF: 5.2 Using Other Models to Add Fractions                      LOC: 7.N5  
TOP: Number                      KEY: Problem-solving Skills
7. ANS: A                      PTS: 1                      DIF: Easy  
REF: 5.3 Using Symbols to Add Fractions                      LOC: 7.N5  
TOP: Number                      KEY: Conceptual Understanding
8. ANS: C                      PTS: 1                      DIF: Moderate  
REF: 5.3 Using Symbols to Add Fractions                      LOC: 7.N5  
TOP: Number                      KEY: Conceptual Understanding
9. ANS: B                      PTS: 1                      DIF: Difficult  
REF: 5.3 Using Symbols to Add Fractions                      LOC: 7.N5  
TOP: Number                      KEY: Problem-solving Skills

### SHORT ANSWER

10. ANS:  
 $\frac{3}{10}$   
  
PTS: 1                      DIF: Easy                      REF: 5.1 Using Models to Add Fractions  
LOC: 7.N5                      TOP: Number                      KEY: Conceptual Understanding
11. ANS:  
 $\frac{5}{8}$   
  
PTS: 1                      DIF: Moderate                      REF: 5.1 Using Models to Add Fractions  
LOC: 7.N5                      TOP: Number                      KEY: Conceptual Understanding
12. ANS:  
Write equivalent fractions with the same denominator.  
Answers may vary. For example:

$$\frac{10}{15} + \frac{9}{15} = \frac{19}{15}$$

PTS: 1                      DIF: Moderate                      REF: 5.2 Using Other Models to Add Fractions  
LOC: 7.N5                      TOP: Number                      KEY: Conceptual Understanding

13. ANS:

$$\frac{7}{12}$$

PTS: 1                      DIF: Moderate                      REF: 5.2 Using Other Models to Add Fractions  
LOC: 7.N5                      TOP: Number                      KEY: Problem-solving Skills

14. ANS:

a)  $\frac{10}{21}$

b) 30

PTS: 1                      DIF: Difficult                      REF: 5.2 Using Other Models to Add Fractions  
LOC: 7.N5                      TOP: Number                      KEY: Problem-solving Skills

15. ANS:

$$x = 20$$

PTS: 1                      DIF: Moderate                      REF: 5.3 Using Symbols to Add Fractions  
LOC: 7.N5                      TOP: Number                      KEY: Conceptual Understanding

16. ANS:

a) The first week

b)  $\frac{2}{3}$  kg

PTS: 1                      DIF: Moderate                      REF: 5.3 Using Symbols to Add Fractions  
LOC: 7.N5                      TOP: Number                      KEY: Problem-solving Skills

## PROBLEM

17. ANS:

$$\frac{6}{30} + \frac{5}{30} + \frac{1}{30} = \frac{12}{30}$$

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

PTS: 1                      DIF: Difficult                      REF: 5.1 Using Models to Add Fractions  
LOC: 7.N5                      TOP: Number                      KEY: Problem-solving Skills

18. ANS:

a)  $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$

The fraction of granola bars taken was  $\frac{3}{4}$ .

b) Eighteen granola bars were taken from the box.

PTS: 1

DIF: Difficult

REF: 5.1 Using Models to Add Fractions

LOC: 7.N5

TOP: Number

KEY: Problem-solving Skills

19. ANS:

$$\text{Perimeter of rectangle: } 2 \times (\text{length} + \text{width}) = 2 \left( \frac{3}{5} + \frac{1}{3} \right)$$

The perimeter is  $1\frac{13}{15}$  m.

PTS: 1

DIF: Moderate

REF: 5.3 Using Symbols to Add Fractions

LOC: 7.N5

TOP: Number

KEY: Problem-solving Skills