4th Grade Fractions Worksheets

1) Sean spent $\frac{2}{7}$ an hour each day working on the garden. How many hours did he spend in a week working on the garden?

2) Farmer Joe uses $\frac{2}{13}$ a bag of seeds on each acre of land. If there are 39 acres of land, how much seed does he use?

3) What is the fraction of the shaded area in the following figures?
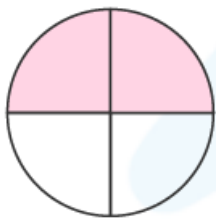
(a)   (b)   (c)   (d)

4) Solve the following:
   a) $\frac{3}{7} + \frac{1}{7}$
   b) $1\frac{3}{5} + \frac{2}{5}$

5) Find the mixed number for each given improper fraction.
   a) $\frac{13}{2}$
   b) $\frac{56}{9}$

6) State whether the following pair of fractions are like or unlike.

a) $\dfrac{5}{9}$ $\dfrac{5}{4}$

b) $\dfrac{1}{2}$, $1\dfrac{1}{2}$

7) Compare the following fractions using the >, <, or = sign.

a) $\dfrac{4}{5}$ □ $\dfrac{2}{7}$

b) $\dfrac{1}{7}$ □ $\dfrac{1}{15}$

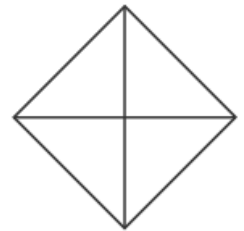8) Shade the following figure with the indicated fraction.

$\dfrac{2}{8}$ $\dfrac{1}{5}$ $\dfrac{3}{8}$ $\dfrac{3}{4}$

(a)   (b)   (c)   (d)

9) Convert the following mixed fractions into improper fractions.

a) $6\dfrac{3}{7}$

b) $2\dfrac{2}{11}$

10) Solve the following:

a) What is $\dfrac{1}{5}$ of 25?

b) What is $\dfrac{3}{4}$ of 28?

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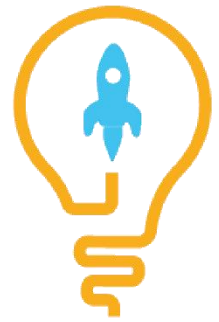
— Barbara Cabrera

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ANSWERS

1)	2 hours
2)	6 bags of seeds
3)	a) $\frac{2}{4}$ b) $\frac{1}{5}$ c) $\frac{5}{8}$ d) $\frac{2}{4}$
4)	a) $\frac{4}{7}$ b) 2
5)	a) $6\frac{1}{2}$ b) $6\frac{2}{9}$
6)	a) Unlike b) Like
7)	a) $\frac{2}{5} > \frac{2}{7}$ b) $\frac{1}{7} > \frac{1}{15}$
8)	a) Shade 2 portions b) Shade 1 portion c) Shade 3 portions d) Shade 3 portions
9)	a) $\frac{45}{7}$ b) $\frac{24}{11}$
10)	a) 5 b) 21

1) Time spent by Sean working on garden in a day = $\frac{2}{7}$ an hour

   Time spent by Sean working on the garden for a week =

   $\frac{2}{7} \times 7$ = 2 hours

2) Portion of bag of seeds used for 1 acre of land = $\frac{2}{13}$

   Bags of seeds used for $\frac{2}{13} \times 39$ = 6 bags

3) a) $\frac{2}{4}$ b) $\frac{1}{5}$ c) $\frac{5}{8}$ d) $\frac{2}{4}$

4) a) $\frac{3}{7} + \frac{1}{7} = \frac{4}{7}$

   b) $1\frac{3}{5} + \frac{2}{5} = \frac{8}{5} + \frac{2}{5} = \frac{10}{5} = 2$

5) a) Solving long division for $\frac{13}{2}$, we get,

   $\frac{13}{2} = 6\frac{1}{2}$

   b) Solving long division for $\frac{56}{9}$, we get,

```
      0 6
   9 | 5 6
     - 0
     ─────
       5 6
     - 5 4
     ─────
         2
```

   $\frac{56}{9} = 6\frac{2}{9}$

6) a) Since the given pair of fractions have an unequal denominator, they are unlike fractions.

   b) Since the given pair of fractions have an equal denominator, they are like fractions.

7) a) $\frac{2}{5}\square\frac{2}{7}$

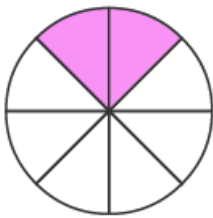Using cross multiplication:

$2 \times 7 = 14$ and $2 \times 5 = 10$

Therefore, $\frac{2}{5} > \frac{2}{7}$

  b) $\frac{1}{7}\square\frac{1}{15}$

$1 \times 15 = 15$ and $1 \times 7 = 7$

Therefore, $\frac{1}{7} > \frac{1}{15}$

8) The figures can be shaded as:

(a)   (b)   (c)   (d)

9) a) $6\frac{3}{7} = \frac{6 \times 7 + 3}{7} = \frac{45}{7}$

  b) $2\frac{2}{11} = \frac{2 \times 11 + 2}{11} = \frac{24}{11}$

10) a) $\frac{1}{5}$ of $25 = \frac{1}{5} \times 25 = 5$

  b) $\frac{3}{4}$ of $28 = \frac{3}{4} \times 28 = 21$

FUN FACT

1. The Egyptians, were the first to have learnt fractions to resolve their mathematical problems.

2. The early applications of fractions included the division of food, supplies and the absence of a bullion currency.

3. The word [fraction](link) has its origin from the Latin word "fractio", meaning "to break".