

Multiply and Divide Mixed Numbers

1. Multiply or divide.

a. $3\frac{1}{5} \div \frac{1}{5}$

e. $\frac{15}{44} \times 2\frac{2}{3}$

b. $3\frac{5}{6} \times \frac{4}{9}$

f. $5\frac{1}{5} \times \frac{7}{8}$

c. $6\frac{4}{15} \div \frac{3}{5}$

g. $8\frac{1}{12} \div \frac{7}{25}$

d. $5\frac{1}{3} \div \frac{1}{9}$

h. $28 \div \frac{2}{3}$

Solution:

a.

e.

b.

f.

c.

g.

d.

h.

2. Kyle took $\frac{3}{4}$ hour to clean $7\frac{1}{5}$ yards of vegetable garden in his backyard. If the garden is $32\frac{1}{4}$ yards long, how many hours would he take to finish cleaning the garden?

Solution:

3. Kaye runs the distance of $5\frac{3}{4}$ miles in 2 hours. How many miles did she run in a month if she runs for $25\frac{1}{5}$ hours in the whole month?

Solution:

4. It takes $1\frac{1}{4}$ pounds of powdered juice to make a gallon of liquid juice. How many gallons of juice can be made using $5\frac{1}{2}$ pounds of powered juice?

Solution:

5. Mandy used $2\frac{1}{3}$ yards of cloth to make a curtain. How many curtain can she make in 14 yards of cloth?

Solution:

6. Sam can wrote $5\frac{1}{6}$ pages of love letter per hour. If he wrote $2\frac{1}{4}$ hours in a week, how many pages did he write in one month?

Solution:

7. What is the value of expression $3\frac{2}{5} \times 2\frac{1}{2} \div \frac{2}{3}$?

Solution:

A. $10\frac{3}{4}$

B. $11\frac{3}{4}$

C. $12\frac{3}{4}$

D. $13\frac{3}{4}$

Multiply and Divide Mixed Numbers

Answer Key

1. Multiply or divide.

a. $3\frac{1}{5} \div \frac{1}{5}$

e. $\frac{15}{44} \times 2\frac{2}{3}$

b. $3\frac{5}{6} \times \frac{4}{9}$

f. $5\frac{1}{5} \times \frac{7}{8}$

c. $6\frac{4}{15} \div \frac{3}{5}$

g. $8\frac{1}{12} \div \frac{7}{25}$

d. $5\frac{1}{3} \div \frac{1}{9}$

h. $28 \div \frac{2}{3}$

Solution:

a. **16**

e. **$\frac{10}{11}$**

b. **$1\frac{19}{27}$**

f. **$4\frac{11}{20}$**

c. **$10\frac{4}{9}$**

g. **$28\frac{73}{84}$**

d. **48**

h. **42**

2. Kyle took $\frac{3}{4}$ hour to clean $7\frac{1}{5}$ yards of vegetable garden in his backyard. If the garden is $32\frac{1}{4}$ yards long, how many hours would he take to finish cleaning the garden?

Solution:

$3\frac{23}{64}$ hours

3. Kaye runs the distance of $5\frac{3}{4}$ miles in 2 hours. How many miles did she run in a month if she runs for $25\frac{1}{5}$ hours in the whole month?

Solution:

$72\frac{9}{20}$ miles

4. It takes $1\frac{1}{4}$ pounds of powdered juice to make a gallon of liquid juice. How many gallons of juice can be made using $5\frac{1}{2}$ pounds of powered juice?

Solution:

$4\frac{2}{5}$ gallons

5. Mandy used $2\frac{1}{3}$ yards of cloth to make a curtain. How many curtain can she make in 14 yards of cloth?

Solution:

6 curtains

6. Sam can wrote $5\frac{1}{6}$ pages of love letter per hour. If he wrote $2\frac{1}{4}$ hours in a week, how many pages did he write in one month?

Solution:

$46\frac{1}{2}$ pages

7. What is the value of expression $3\frac{2}{5} \times 2\frac{1}{2} \div \frac{2}{3}$?

Solution:

C

A. $10\frac{3}{4}$

B. $11\frac{3}{4}$

C. $12\frac{3}{4}$

D. $13\frac{3}{4}$