Name: .... Class: ....

Divide whole numbers by unit fractions

Divide the following.

a. $4 \div \frac{1}{7}$

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

b. $10 \div \frac{1}{2}$

e. $20 \div \frac{1}{3}$

c. $11 \div \frac{1}{8}$

f. $2 \div \frac{1}{3}$

Name: ....   Class: ....

Divide whole numbers by unit fractions

Divide the following.

a. $4 \div \dfrac{1}{7}$

Rewrite the whole number as a fraction.

$\dfrac{4}{1} \div \dfrac{1}{7}$ Find the reciprocal of the second fraction.

and change the division sign to multiplication sign.

$\dfrac{4}{1} \times \dfrac{7}{1} = 28$

So, $4 \div \dfrac{1}{7} = 28$

d. $9 \div \dfrac{1}{9}$

Rewrite the whole number as a fraction.

$\dfrac{9}{1} \div \dfrac{1}{9}$

$\dfrac{9}{1} \times \dfrac{9}{1} = 81$

So, $9 \div \dfrac{1}{9} = 81$

b. $10 \div \dfrac{1}{2}$

Rewrite the whole number as a fraction.

$\dfrac{10}{1} \div \dfrac{1}{2}$ Find the reciprocal of the second fraction

and change the division sign to multiplication sign.

$\dfrac{10}{1} \times \dfrac{2}{1} = 20$

So, $10 \div \dfrac{1}{2} = 20$

e. $20 \div \dfrac{1}{3}$

Rewrite the whole number as a fraction.

$\dfrac{20}{1} \div \dfrac{1}{3}$

$\dfrac{20}{1} \times \dfrac{3}{1} = 60$

So, $20 \div \dfrac{1}{3} = 60$

c. $11 \div \dfrac{1}{8}$

Rewrite the whole number as a fraction.

$\dfrac{11}{1} \div \dfrac{1}{8}$ Find the reciprocal of the second fraction

and change the division sign to multiplication sign.

$\dfrac{11}{1} \times \dfrac{8}{1} = 88$

So, $11 \div \dfrac{1}{8} = 88$

f. $2 \div \dfrac{1}{3}$

Rewrite the whole number as a fraction.

$\dfrac{2}{1} \div \dfrac{1}{3}$

$\dfrac{2}{1} \times \dfrac{3}{1} = 6$

So, $2 \div \dfrac{1}{3} = 6$