Division Reasoning Name:

16 x 20 is the same as 16 x 2 x 10

So ..... 160 ÷ 20 is the same as 160 ÷ 10 ÷ 2

160 ÷ 10 = 16

16 ÷ 2 = 8

So 160 ÷ 20 = 8

We can create equivalent expression by

x or ÷ both parts of the expression by the same amount

$$\frac{16\cancel{0}}{2\cancel{0}} = 8 \quad (\div 10,\ \div 10) \qquad \frac{160}{20} = 8 \quad (\div 2,\ \div 2)$$

$$16 \div 2 = 8 \qquad 80 \div 10 = 8$$

NOTE

Normally when dividing a multiple of 10 by a multiple of 10, we divide each part of the expression by 10 to remove the zeros.

i.e.	45$\cancel{0}$ ÷ 5$\cancel{0}$	400$\cancel{0}$ ÷ 2$\cancel{0}$	24$\cancel{0}$ ÷ 2$\cancel{0}$	180$\cancel{0}$ ÷ 9$\cancel{0}$	10$\cancel{0}$ ÷ 1$\cancel{0}$
is the same as	45 ÷ 5	400 ÷ 2	24 ÷ 2	180 ÷ 9	10 ÷ 1

Normally when dividing a multiple of 100 by a multiple of 100, we divide each part of the expression by 100 to remove the zeros.

i.e.	45$\cancel{0}\cancel{0}$ ÷ 5$\cancel{0}\cancel{0}$	40$\cancel{0}\cancel{0}$ ÷ 2$\cancel{0}\cancel{0}$	24 0$\cancel{0}\cancel{0}$ ÷ 2$\cancel{0}\cancel{0}$	10$\cancel{0}\cancel{0}$ ÷ 1$\cancel{0}\cancel{0}$
is the same as	45 ÷ 5	40 ÷ 2	240 ÷ 2	10

240 ÷ 20 is the same as

___ ÷ ___ =

450 ÷ 50 is the same as

___ ÷ ___ =

2200 ÷ 20 is the same as

___ ÷ ___ =

120 ÷ 60 is the same as

___ ÷ ___ =

2000 ÷ 50 is the same as

___ ÷ ___ =

1200 ÷ 200 is the same as

___ ÷ ___ =

1500 ÷ 500 is the same as

___ ÷ ___ =

2400 ÷ 200 is the same as

___ ÷ ___ =

1600 ÷ 800 is the same as

___ ÷ ___ =

240 ÷ 20 is the same as

___ ÷ ___ =

320 ÷ 40 =

320 ÷ 10 ÷ ___

32 ÷ ___ =

350 ÷ 50 =

350 ÷ ___ ÷ ___

35 ÷ ___ =

160 ÷ 40 =

160 ÷ ___ ÷ ___

16 ÷ ___ =

LIVEWORKSHEETS