Exercise 5F

Example 12

1 Work out the answers using multiplication:

a $^{+}12 \div {}^{+}3$	**b** $^{-}12 \div {}^{+}3$	**c** $^{-}12 \div {}^{-}3$	**d** $12 \div {}^{-}3$
e $^{+}8 \div {}^{+}4$	**f** $^{+}8 \div {}^{-}4$	**g** $^{-}8 \div 4$	**h** $^{-}8 \div {}^{-}4$
i $^{+}10 \div {}^{-}2$	**j** $^{-}10 \div {}^{-}2$	**k** $^{-}10 \div 2$	**l** $10 \div 2$
m $\frac{8}{^{-}2}$	**n** $\frac{^{-}8}{^{-}2}$	**o** $\frac{^{-}8}{^{+}2}$	**p** $\frac{8}{2}$
q $\frac{^{+}12}{^{-}3}$	**r** $\frac{^{-}12}{^{-}3}$	**s** $\frac{12}{3}$	**t** $\frac{^{-}12}{^{+}3}$

2 Evaluate:

a $^{-}15 \div {}^{-}3$	**b** $^{+}16 \div {}^{+}4$	**c** $^{+}14 \div {}^{-}2$	**d** $^{-}60 \div {}^{+}10$
e $^{+}56 \div {}^{-}8$	**f** $^{-}144 \div {}^{-}12$	**g** $^{+}36 \div {}^{+}6$	**h** $^{-}121 \div {}^{+}11$
i $^{-}54 \div {}^{-}9$	**j** $^{-}30 \div {}^{+}6$	**k** $^{-}72 \div {}^{-}6$	**l** $^{+}45 \div {}^{-}5$
m $^{-}63 \div {}^{+}9$	**n** $^{+}32 \div {}^{-}8$	**o** $^{-}24 \div {}^{+}6$	**p** $^{+}84 \div {}^{-}4$

q $\frac{^{-}35}{^{+}7}$	**r** $\frac{^{-}72}{^{-}9}$	**s** $\frac{^{-}45}{^{-}15}$	**t** $\frac{^{-}20}{^{-}4}$
u $\frac{^{-}45}{^{-}5}$	**v** $\frac{58}{^{-}2}$	**w** $\frac{^{-}99}{11}$	**x** $\frac{^{-}72}{^{-}9}$

3 Determine the missing integer:

a $30 \div ? = {}^{-}6$	**b** $^{-}28 \div ? = 4$	**c** $^{-}35 \div ? = {}^{-}5$
d $? \div {}^{-}6 = {}^{-}6$	**e** $? \div 7 = 7$	**f** $? \div {}^{-}9 = {}^{-}11$
g $^{-}6 \div {}^{-}6 = ?$	**h** $? \div {}^{-}4 = 120$	**i** $80 \div ? = {}^{-}40$
j $500 \div ? = {}^{-}125$	**k** $720 \div ? = 120$	**l** $? \div {}^{-}20 = 50$

4 Evaluate:

a $^{-}144 \div {}^{-}12 \div {}^{-}2$	**b** $^{-}54 \div 9 \div {}^{-}2$	**c** $72 \div {}^{-}6 \div 3$
d $100 \div {}^{-}10 \div 5$	**e** $50 \div {}^{-}2 \div 5$	**f** $^{-}70 \div {}^{-}7 \div {}^{-}5$
g $^{-}125 \div {}^{-}25 \div 5$	**h** $^{-}96 \div 8 \div {}^{-}6$	**i** $81 \div {}^{-}9 \div 3$

5 Evaluate:

a $0 \div {}^{-}3$	**b** $0 \div 3$	**c** $\frac{0}{^{-}3}$	**d** $\frac{0}{3}$
e $6 \div 1$	**f** $6 \div {}^{-}1$	**g** $^{-}6 \div 1$	**h** $^{-}6 \div {}^{-}1$
i $\frac{6}{^{-}1}$	**j** $\frac{^{-}6}{^{-}1}$	**k** $\frac{^{-}6}{1}$	**l** $\frac{^{-}6}{1}$