## Division using factors

1 Complete the divisions using factors.
a)

$260 \div 20=$ $\square$
b)

$360 \div 30=$ $\square$
c)

$\square$
d)

$480 \div$ $\square$
$\square$
(2) Jack and Rosie are calculating $816 \div 48$

Jack divides by 8 and then by 6
Rosie divides by 12 and then by 4
a) Show that they get the same answer.
b) Explain why Jack and Rosie get the same answer.
c) Which is the easiest method? Why?
(3) Mo and Dora are calculating $2,560 \div 16$

$\qquad$
(4) Ron is calculating $3,024 \div 36$
a) Tick the methods that would give the correct answer. $3,024 \div 6 \div 6 \quad 3,024 \div 18 \div 18 \quad 3,024 \div 9 \div 4$
b) What other methods could Ron use to calculate $3,024 \div 36$ ?

5 Use factors to complete these divisions.
a) $360 \div 40=\square$

b) $625 \div 25=$



c) $1,275 \div 15=\square$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

d) $7,200 \div 18=\square$


6 These divisions give the same answer.
Fill in the gaps.


What is the answer?
(7)
a) Calculate the value of $c$.

b) How did you work this out? Compare methods with a partner.
(8) Eva is thinking of a number.


What number did Eva start with?

