1) a) $960 \div 30=960 \div 10 \div 3$
b) $240 \div 60=240 \div 10 \div 6$
c) $90 \div 6=90 \div 3 \div$

2
d) $375 \div 15=375 \div 5 \div 3$
e) $288 \div 18=288 \div 9 \div 2$
$\square$

2) a) $512 \div 16=\mathbf{3 2}$
b) $336 \div 12=\mathbf{2 8}$
c) $945 \div 21=45$
d) $1350 \div 45=\mathbf{3 0}$
$512 \div 8=64,64 \div 2=32$, or $512 \div 4=128,128 \div 4=32$
$336 \div 4=84,84 \div 3=28$, or $336 \div 6=56,56 \div 2=28$
$945 \div 7=135,135 \div 3=45$
$1350 \div 9=150,150 \div 5=30$, or $1350 \div 15=90,90 \div 3=30$

1) Amna has partitioned 42 instead of finding its factors so her method will not give the correct answers.

Accept any explanation that explains that Hardeep's method would not be efficient because these factors will not make the calculation any easier. You would still need to divide 1848 by 42.
$1848 \div 21=88,88 \div 2=44$
$1848 \div 14=132,132 \div 3=44$
$1848 \div 7=264,264 \div 6=44$
2) Accept an explanation that explains that this is correct. If you divide using each factor in turn, you will get the correct answer. Accept an explanation that shows that this method is not always efficient, for example, if the divisor is a prime number and has factors of itself and one, using these factors to find the answer would not be a helpful method.

1) Accept any two of the following solutions:
$1680 \div 24=70,70 \div 2=35$
$1680 \div 16=105,105 \div 3=35$
$1680 \div 12=140,140 \div 4=35$
$1680 \div 8=210,210 \div 6=35$
2) a) $2,4,6,8,12$
b) Cpossibilities multiplied by 9 : $2 \times 9=18,4 \times 9=36,6 \times 9=54,8 \times 9=72,12 \times 9=108$
c) Using the factor pairs, calculate all the possible values of $B$. on the horizontal version insert large box

$$
432 \div 9=48,48 \div 2=24
$$

$432 \div 9=48,48 \div 4=12$
$432 \div 9=48,48 \div 6=8$
$432 \div 9=48,48 \div 8=6$
$432 \div 9=48,48 \div 12=4$

