Answers

Activity 1 - Multiplying decimals by whole numbers

1. a): $2 \times 0 \cdot 3 = 0 \cdot 6$

1. b): $3 \times 0 \cdot 03 = 0 \cdot 09$

1. c): $4 \times 0 \cdot 2 = 0 \cdot 8$

1. d): $4 \times 1 \cdot 2 = 4 \cdot 8$

2.: $12 \times 0 \cdot 3 = 3 \cdot 6$

   $21 \times 0 \cdot 04 = 0 \cdot 84$

   $0 \cdot 02 \times 32 = 0 \cdot 64$

   $12 \times 0 \cdot 3$ has the greatest product and $0 \cdot 02 \times 32$ has the smallest product.

3. a):

$2 \times 3 = 6$	$20 \times 3 = 60$
$0 \cdot 2 \times 3 = 0 \cdot 6$	$20 \times 0 \cdot 3 = 6$
$0 \cdot 02 \times 3 = 0 \cdot 06$	$20 \times 0 \cdot 03 = 0 \cdot 6$
$2 \times 0 \cdot 3 = 0 \cdot 6$	$200 \times 0 \cdot 3 = 60$
$2 \times 0 \cdot 03 = 0 \cdot 06$	$2,000 \times 0 \cdot 03 = 60$

3. b): There are lots of different ways to answer this question. You might have mentioned multiplication facts, powers of 10 and place value.

3. c): There are lots of different ways to answer this question. You might have mentioned multiplication facts, powers of 10 and place value.