Answers Sheet

The Product Rule for Counting

1.

$= 10 \times 14$
$= 140$

2.

$= 18 \times 12$
$= 216$

3.

$15x = 160$
$x = 10.6666...$
Asghar can't be correct. 160 is not divisible by 15.

4.

$= 3 \times 8$
$= 24$

5.

$= 3 \times 6 \times 5$
$= 90$

6.

$42x = 140$
$x = 3.3333…$
Hifza can't be correct. x would have to be a whole number

7.

$= 6 \times 8$
$= 48$

8.

7×10
$= 70$

9.

$10x = 90$
$x = 9$
Sardar could be correct. x could be 9.

10.

$= 52 \times 51$
$= 2652$

11.

$= 52 \times 51 \times 50$
$= 132600$

12.

$= (52 \times 51) / 2$
$= 1326$

13.

$= (40 \times 39) / 2$
$= 780$

14.

$= (12 \times 11) / 2$
$= 66$

15.

$= (10 \times 9) / 2$
$= 45$

16.

= (14 × 13) / 2
= 91

17.

= (22 × 21) / 2
= 231
