

d) $6 \times 6 \times 6 \times 4 \times 4 \times 3 \times 3 \times 3$ ✓
 e) $11 \times 11 \times 9 \times 5 \times 5 \times 5 \times 5$ ✓
 f) $3 \times 3 \times 3 \times 11 \times 9 \times 5 \times 4 \times 5 \times 4 \times 5 \times 4 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6$ ✓

4.a) ~~$2^2 \times 3^2$~~
 $2^2 \times 3^3$ ✓

b) $10^3 \times 6^4$ ✓

c) $5^5 \times 8^3$ ✓

d) $4^3 \times 5 \times 7^2$ ✓

e) $16^2 \times 6^3 \times 5$ ✓

f) $12^2 \times 16 \times 6^2 \times 16 \times 7$ ✓

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1.a) $4 \times 3 = 12$

$3 \times 4 = 12$ ✓

b) $10 \times 5 = 50$

$5 \times 10 = 50$ ✓

c) $2 \times 7 = 14$

$7 \times 2 = 14$ ✓

d) $9 \times 3 = 27$

$3 \times 9 = 27$ ✓

2. ~~$a \times b = b \div a$~~
 $a \times b = b \times a$ ✓

3.a) $3 \times (4+1) = (3 \times 4) + (3 \times 1)$
 $6 \times (3+2) = (6 \times 3) + (6 \times 2)$
 $4 \times (2+7) = (4 \times 2) + (4 \times 7)$ ✓

4. $a \times (b+c) = (a \times b) + (a \times c)$ ✓

5.a) ~~$5 \times (4+3) = 5 \times 7$~~
 ~~$= 35$~~

$5 \times (4+3) = (5 \times 4) + (5 \times 3)$ ✓

b) $a \times (b+c) = (a \times b) + (a \times c)$ ✓

6.a) ~~$a = 4$~~
 ~~$b = 3$~~
 ~~$c = 2$~~

$a = 2$

$b = 4$ ✓

$c = 3$

b) $a = 3$
 $b = 7$ ✓
 $c = 9$

c) $a = 10$
 $b = 10$ ✓
 $c = 9$

7.a) $a = 4$
 $b = 5$
 $c = 1$

$a \times (b+c) = (a \times b) + (a \times c)$

$4 \times (5+1) = (4 \times 5) + (4 \times 1)$
 $= 20 + 4$

$= 28$

$= 24$ ✓

b) $a =$

A Great Workbook

Use **RED** for headings, question numbers, ticks and a line down the middle of the page.

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