

Year 3 Homework Answer:

Module 13: Multiplying 2-digit numbers

1.

21	210	2100
54	540	5400
460	640	880
770	800	990

2.

504	299	748
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3.

a. $30 \times 9 + 6 \times 9 = 324$

b. $50 \times 8 + 3 \times 8 = 424$

c. $70 \times 7 + 5 \times 7 = 525$

d. $90 \times 6 + 8 \times 6 = 588$

e. $90 \times 8 + 2 \times 8 = 736$

f. $60 \times 9 + 6 \times 9 = 594$

g. $80 \times 7 + 4 \times 7 = 588$

4.

a. $30 \times 5 - 10 = 140$

b. $100 \times 6 - 6 = 594$

c. $40 \times 3 - 6 = 114$

d. $50 \times 8 - 16 = 384$

e. $60 \times 4 - 4 = 236$

f. $80 \times 9 - 45 = 675$

5.

630	486	975
979	800	980
912	935	930

6.

$$20 \times 15 \times 4 = 1200 \text{ kg}$$

7.

$$38 \times 12 = 456 \text{ kg}$$

8.

$$40 \times 10 = 400 \text{ g}$$

$$30 \times 14 = 420 \text{ g}$$

$400 \text{ g} < 420 \text{ g}$. Not enough, it can last 13 days

9.

$$32 \times 32 = 1024 \text{ words}$$

Yes he can finish in 32 minutes

10.

$$1 \text{ fortnight} = 14 \text{ days} = 7 \text{ two days}$$

$$72 \times 7 = 504 \text{ pages}$$

Yes he can finish this novel in a fortnight.

11.

$$\text{Chicken: } 25 \times 3 + 3 = 78$$

$$25 \times 4 + 78 \times 2 = 256 \text{ legs}$$

12.

August has 31 days

$$28 \times 31 = 868 \text{ tires}$$

13.

a) $15 \times 18 = 270 \text{ m}$

b) Derek speed: $15 \times 4 = 60 \text{ m/minute}$

$$60 \times 18 = 1080 \text{ m}$$

$$1080 - 270 = 810 \text{ m more than David}$$