

Numbers in Retail Stock Calculations

| Suggested Responses



Worksheet

1. $9 \times 50 = 450$
 $7 \times 40 = 280$
 $5 \times 30 = 150$
 $3 \times 15 = 45$
 $2 \times 10 = 20$
 $450 + 280 + 150 + 45 + 20 = 945$ labels
2. a) $945 \div 100 = 9.45$
→ 10 boxes
b) $1,500 - 945 = 555$ labels
c) $555 \div 100 = 5.55$ boxes

Stock Quantities

1. a) $8.5 + 11.3 + 7.7 + 6.8 = 34.3$ lb.
b) Shop 1: 8.5 lb.
→ 9 bags
Shop 2: 11.3 lb.
→ 12 bags
Shop 3: 7.7 lb.
→ 8 bags
Shop 4: 6.8 lb.
→ 7 bags
c) $9 + 12 + 8 + 7 = 36$ bags
2. a) $36 \div 5 = 7.2$
→ 8 bags
b) $3 \times 8 = 24$ bags

Stock Quantities: Extension

1. $374 + 40 = 414$ bags needed

Multiply the quantity in each bag by 414:

$$2 \times 414 = 828$$

$$3 \times 414 = 1,242$$

$$4 \times 414 = 1,656$$

$$5 \times 414 = 2,070$$

Bags: 414

Stress balls: 414

Brochures: 414

Discount vouchers: 1,656

Pens: 1,242

Business cards: 2,070

Notepads: 828

Business card holders: 414

2. a) $21 \div 414 \times 100 = 5.07\ldots$

→ 5%

b) Multiply the quantity in each bag by 21:

$$2 \times 21 = 42$$

$$3 \times 21 = 63$$

$$4 \times 21 = 84$$

$$5 \times 21 = 105$$

Bags: 21

Stress balls: 21

Brochures: 21

Discount vouchers: 84

Pens: 63

Business cards: 105

Notepads: 42

Business card holders: 21

Transcript – For student and teacher use.