

Estimation Strategies

NCTM Standards 1, 6, 7, 8, 9, 10

Use estimation to help you answer these questions.

1 $116 - 58$

- A. 93 C. 38
B. 58 D. 104

2 $179 + 85$

- A. 354 C. 304
B. 204 D. 264

3 23×5

- A. 108 C. 95
B. 115 D. 150

4 $656 \div 8$

- A. 91 C. 82
B. 9 D. 50

5 83×19

- A. 1,063 C. 1,477
B. 1,277 D. 1,577

6 $908 + 86$

- A. 1,194 C. 1,054
B. 994 D. 1,624

7 How many people can sit in a concert hall if there are 57 rows with 79 seats in each row?

- A. 4,003 C. 3,003
B. 4,503 D. 3,503

8 How many buses are needed to transport 4,224 people if each bus can hold 66 people?

- A. 81 C. 64
B. 54 D. 51

Refer to the inventory list to answer the following questions.

6 boxes of shorts

18 boxes of laces

7 boxes of sweatshirts

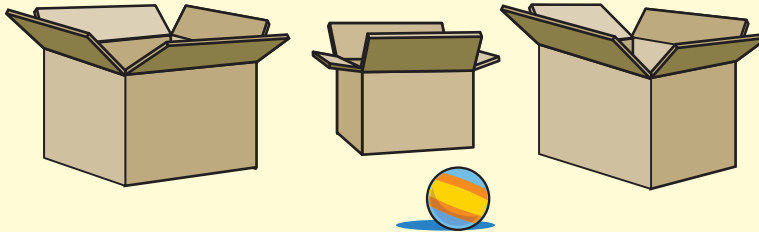
124 pairs of pants

12 boxes of shirts

24 boxes of balls

16 pairs of socks

19 umbrellas



9 If there are 22 shirts per box, how many shirts does the store have?

- A. 200 C. 324
B. 204 D. 264

10 When Jack unpacked the boxes of balls, he had 168 cans of 3 balls. How many cans of balls are in a box?

- A. 15 C. 25
B. 7 D. 21

11 There are 4 shelves for pants. How many pairs of pants should go on each shelf?

- A. 31 C. 51
B. 25 D. 111

12 Jack unpacked the boxes of shorts and put them on 4 shelves. He put 48 shorts on each shelf. How many shorts are in each box?

- A. 26 C. 32
B. 52 D. 42

13 **Challenge** If half a box of sweatshirts has 34 sweatshirts, how many sweatshirts does the store have?

- A. 426 C. 476
B. 238 D. 526

14 **Challenge** If 210 is a third of the store's laces, how many laces are in each box?

- A. 6 C. 70
B. 630 D. 35