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Pretest**Multiply 3-digit numbers**

Solve numbers 1 to 5.

- Mrs Kim gave each student in the school 4 pencils. There are 379 students in the school. Which is the most reasonable estimate of the total number of pencils Mrs Kim gave out?
 - Ⓐ 1200
 - Ⓑ 1600
 - Ⓒ 2000
 - Ⓓ 2500
- Mrs Norris bought 234 packages of juice boxes. Each package has 6 juice boxes. How many juice boxes did Mrs Norris buy in all?
 - Ⓐ 1284
 - Ⓑ 1404
 - Ⓒ 2346
 - Ⓓ 6234
- A carpenter bought 15 large boxes of nails. Each box holds 450 nails. How many nails did the carpenter buy in all?
 - Ⓐ 6750
 - Ⓑ 6550
 - Ⓒ 2700
 - Ⓓ 2250
- Colin picked 217 blueberries in 1 hour. At this rate, how many blueberries could he pick in 6 hours?
 - Ⓐ 223
 - Ⓑ 1202
 - Ⓒ 1262
 - Ⓓ 1302
- Chris is building 14 fences at a farm. Each fence uses 328 slats. What is the total number of slats Chris needs?
 - Ⓐ 1640
 - Ⓑ 4562
 - Ⓒ 4592
 - Ⓓ 5248

Solve numbers 1 to 16.

1. Kara uses 836 beads for 1 belt. How many beads will she use for 12 belts?
 - (A) 2498
 - (B) 9922
 - (C) 10032
 - (D) 10528

2. A salon earned \$5600 by selling gift baskets. Each gift basket costs \$80. How many gift baskets were sold?
 - (A) 7
 - (B) 8
 - (C) 70
 - (D) 80

3. A large office building has 602 offices on 18 floors. Each floor has approximately the same number of offices. Which number sentence can you use to estimate the number of offices on each floor?
 - (A) $600 \div 20 = 30$
 - (B) $60 \div 15 = 4$
 - (C) $600 \div 10 = 60$
 - (D) $60 \div 20 = 3$

4. Eric used short division to find the quotient and remainder for 627 divided by 7. What is the remainder?
 - (A) 0
 - (B) 1
 - (C) 3
 - (D) 4

5. What is the remainder when 849 is divided by 8?

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 4

6. What is $583 \div 18$?

- Ⓐ 30 R 7
- Ⓑ 32
- Ⓒ 32 R 5
- Ⓓ 32 R 7

7. Which improper fraction names the same amount as $4\frac{1}{8}$?

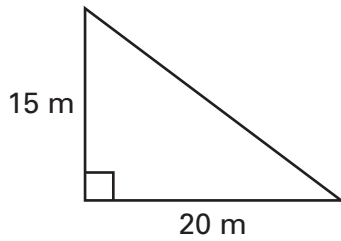
- Ⓐ $\frac{33}{8}$
- Ⓑ $\frac{32}{8}$
- Ⓒ $\frac{13}{8}$
- Ⓓ $\frac{12}{8}$

8. Ryan mixed $\frac{2}{8}$ of a cup of raisins with $\frac{1}{8}$ of a cup of walnuts. How many cups of raisins and walnuts did he mix in all?

- Ⓐ $\frac{1}{8}$ of a cup
- Ⓑ $\frac{1}{4}$ of a cup
- Ⓒ $\frac{1}{3}$ of a cup
- Ⓓ $\frac{3}{8}$ of a cup

9. Mary has $\frac{3}{8}$ -metre yellow ribbon and $\frac{1}{4}$ -metre green ribbon. Which number sentence can you use to compare how much of each colour ribbon she has?
- Ⓐ $\frac{6}{12} > \frac{2}{12}$
- Ⓑ $\frac{3}{8} > \frac{2}{8}$
- Ⓒ $\frac{3}{12} > \frac{1}{12}$
- Ⓓ $\frac{3}{8} > \frac{1}{8}$
10. In a pizza order, $\frac{1}{6}$ of the pizzas were sausage and $\frac{1}{2}$ of the pizzas were pepperoni. The rest were cheese. What fraction of the pizzas had a meat topping?
- Ⓐ $\frac{2}{6}$
- Ⓑ $\frac{2}{8}$
- Ⓒ $\frac{8}{12}$
- Ⓓ $\frac{4}{6}$
11. Jackie's mum bought $2\frac{1}{2}$ kg of sliced turkey and $1\frac{3}{4}$ kg of sliced salami for a big family picnic. How many kilograms of sliced deli meat did Jackie's mum buy in all?
- Ⓐ $\frac{3}{4}$ kg
- Ⓑ $3\frac{5}{8}$ kg
- Ⓒ $3\frac{2}{3}$ kg
- Ⓓ $4\frac{1}{4}$ kg
12. Kathy's best speed-skating time is 51.802 seconds. Lacey's best time is 49.931 seconds. How much faster is Lacey's best time?
- Ⓐ 1.271 seconds
- Ⓑ 1.871 seconds
- Ⓒ 2.131 seconds
- Ⓓ 2.971 seconds

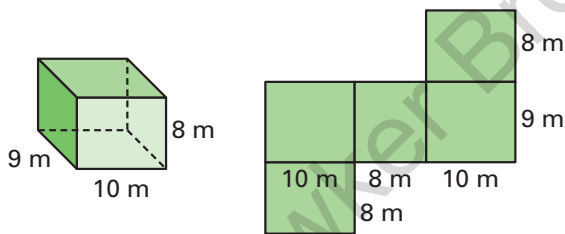
13. A car park is in the shape of a triangle.



Which expression can you use to find the area of the parking lot?

- (A) 20×15
- (B) $(20 \times 15) \div 2$
- (C) $20 + 15$
- (D) $(20 + 15) \div 2$

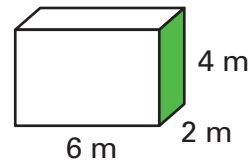
14. The net for the prism is incomplete.



Which figure completes the net?

- (A) 8 m
- (B) 9 m
- (C) 10 m
- (D) 10 m

15. What is the volume of the prism?



- (A) 12 m^3
- (B) 24 m^3
- (C) 48 m^3
- (D) 58 m^3

16. Al kept track of the amount of money he spent on each day of his holiday. He wants to make a graph showing his spending. What scale should he use for the y-axis?

Day	Amount spent (\$)
1	50
2	75
3	50
4	100
5	125

- (A) count by 1s
- (B) count by 5s
- (C) count by 25s
- (D) count by 100s

Post test**Multiply 3-digit numbers**

Solve numbers 1 to 5.

1. Mr Craig's factory produces 468 robot toys each hour. How many robot toys does the factory produce in 8 hours?
 - (A) 3284
 - (B) 3744
 - (C) 4688
 - (D) 8468
2. One bottle contains 355 millilitres of orange juice. How many millilitres are in 12 bottles of orange juice?
 - (A) 1065 millilitres
 - (B) 4150 millilitres
 - (C) 4260 millilitres
 - (D) 12355 millilitres
3. Norman uses 8 pieces of paper in each custom-made calendar. A customer ordered 275 calendars. How many pieces of paper will Norman use for this order?
 - (A) 1660
 - (B) 2200
 - (C) 2758
 - (D) 8275
4. A bag of pretzels has 628 pretzels. Approximately how many pretzels are in 8 bags?
 - (A) 640
 - (B) 3000
 - (C) 4800
 - (D) 5600
5. An office building has 528 fluorescent lights. Each light uses 4 bulbs. How many bulbs are needed for all lights in the office building?
 - (A) 532
 - (B) 972
 - (C) 2082
 - (D) 2112