



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Estimate 18% of 50.

A 5  
B 7  
C 10  
D 18

18%    50  
↓        ↓  
Nearest  
10 percent


$\frac{?}{100} \times 50 =$

2 There are 154 marbles and 44% of them are red. Estimate how many red marbles there are.

A 95  
B 80  
C 75  
D 60

44%    154  
↓        ↓  
Nearest    Nearest  
10 percent    Ten

$\frac{?}{100} \times ? =$



3 Four hundred twenty-three is multiplied by sixteen percent. Estimate the answer.


A 86  
B 80  
C 64  
D 63

423 x .16  
↓        ↓  
Nearest    Nearest  
Hundred    Tenth

4 342 students at a school were asked what foreign language they took. 64% said that they took Spanish. Estimate how many students are taking Spanish.

A 180  
B 210

342 x .64  
↓        ↓  
Nearest    Nearest



5



**PREVIEW**

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6

A 10,000 in.<sup>2</sup>  
B 15,000 in.<sup>2</sup>  
C 20,000 in.<sup>2</sup>  
D 25,000 in.<sup>2</sup>



A = b · h

A 62" × 39"    C 86" × 19"  
B 78" × 33"    D 117" × 19"

9 Estimate the product of 147% of 62.

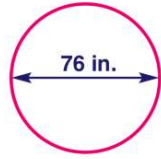
A 62  
B 84  
C 90  
D 105

62 x 1.47  
↓        ↓  
Nearest    Nearest  
Ten        Tenth

$\square \times \square = \square$

10 The circumference of a circle has a formula,  $C = \pi \cdot d$ , where  $\pi$  equals 3.14 and d equals the diameter. Estimate the circumference of a circle if the diameter is 76 in.

A 210 in.    C 280 in.  
B 240 in.    D 320 in.





## ANSWER KEY

Estimate 18% of 50.

- A 5
- B 7
- C 10
- D 18

$18\%$       $50$   
 ↓            ↓  
 Nearest    Nearest  
 10 percent   Ten  
 $\frac{?}{100} \times 50 =$   

(c)

There are 154 marbles and 44% of them are red. Estimate how many red marbles there are.

- A 95
- B 80
- C 75
- D 60

$44\%$       $154$   
 ↓            ↓  
 Nearest    Nearest  
 10 percent   Ten  
 $\frac{?}{100} \times ? =$   



(d)

Four hundred twenty-three is multiplied by sixteen percent. Estimate the answer.

- A 86
- B 80
- C 64
- D 63

$423 \times .16$   
 ↓            ↓  
 Nearest    Nearest  
 Hundred    Tenth  
 $\square \times \square =$   

(b)

342 students at a school were asked what foreign language they took. 64% said that they took Spanish. Estimate how many students are taking Spanish.

- A 180
- B 210
- C 221
- D 222

$342 \times .64$   
 ↓            ↓  
 Nearest    Nearest  
 Hundred    Tenth  
 $\square \times \square =$   



(a)



## PREVIEW

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- A 10,000 in.
- B 15,000 in.<sup>2</sup>
- C 20,000 in.<sup>2</sup>
- D 25,000 in.<sup>2</sup>



- A 62" × 39"
- B 78" × 33"

- C 86" × 19"
- D 117" × 19"

Estimate the product of 147% of 62.

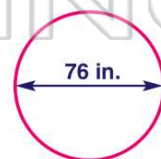
- A 62
- B 84
- C 90
- D 105

$62 \times 1.47$   
 ↓            ↓  
 Nearest    Nearest  
 Ten         Tenth  
 $\square \times \square =$   

(c)

The circumference of a circle has a formula,  $C = \pi \cdot d$ , where  $\pi$  equals 3.14 and d equals the diameter. Estimate the circumference of a circle if the diameter is 76 in.

- A 210 in.
- B 240 in.
- C 280 in.
- D 320 in.



(b)