# Additional <br> Practice 5-2 

## Another Look!

Frog Trail is 1,976 meters long. Shondra walks 43 meters of the trail each minute.
About how many minutes will it take
Shondra to walk the trail?
Find compatible numbers. Think of a basic
fact. Then use place-value patterns.
$1,976 \div 43$
$\downarrow$
$2,000 \div 40=50$
$2,000 \div 40=50$, so
$1,976 \div 43$ is about 50.
It would take Shondra about 50 minutes.


Leveled Practice In 1-3, fill in the blanks to find the estimates.

Sample answers are given.

1. $1,769 \div 23$
$\stackrel{\downarrow}{1,800} \div \stackrel{\downarrow}{20}=90$
2. $516 \div 48$
$500 \div 50=10$
3. $891 \div 32$
$900 \div 30=30$

In 4-15, estimate using compatible numbers.
4. $241 \div 348$
5. $705 \div 1170$
6. $7,968 \div 22400$
7. $5,624 \div 7280$
8. $1,043 \div 2350$
9. $986 \div 12100$
10. $642 \div 947$
11. $4,870 \div 5880$
12. $5,721 \div 7970$
13. $148 \div 513$
14. $9,073 \div 11900$
15. $3,514 \div 58 \quad 60$
16. Critique Reasoning Meredith says "Since 1 times 1 equals 1 , then 0.1 times 0.1 equals 0.1." Do you agree? Explain your reasoning.
No; sample explanation: $1 \times 0.1=0.1$; since 0.1 is one tenth of $1,0.1 \times 0.1=0.01$.
17. enVision ${ }^{\circledR}$ STEM A gray whale traveled 152 kilometers in one day. The whale swam between 7 and 8 kilometers each hour. About how many hours did it take the whale to swim the distance? Show two different ways that you can use compatible numbers to find an answer. Then solve. Sample answers: $160 \div 8$ or $140 \div 7$; About 20 hours
18. Meg wants to find about how many phones the company activated in one minute. Explain why Meg can use $15,000 \div 50$ to find the answer.

An estimate is enough. So $15,000 \div 50$ | Clear Connect Company |
| :--- |
| phones activated: 14,270 in 50 minutes |
| calls made: 59,835 |
| text messages sent: 2,063 | can be used since it is close to $14,270 \div 50$.

19. Higher Order Thinking Ester's choir wants to learn a new song for the school concert in 7 weeks. The song has 3,016 lines. The choir learns an equal number of lines each day. About how many lines do they need to learn each day to learn the song in time for the concert? Explain.
Sample answer: About 60 lines; Use compatible numbers to estimate $3,000 \div 50=60$.

? lines each day


## Assessment Practice

20. Mr. Crane's farm is 593 acres. He divides the farm into 32 equal parts. Which is the best estimate of the number of acres in each part?
(A) 10 acres
(B) 20 acres
(C) 100 acres
(D) 200 acres
21. A scientist counted 3,921 total eggs in 49 sea turtle nests. Each nest had about the same number of eggs. Which is the best estimate of the number of eggs she counted in each nest?
(A) 800 eggs
(B) 100 eggs
(C) 80 eggs
(D) 10 eggs
