

SCHOLASTIC

PRIME™

Mathematics Practice Tests

2



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Preface

Assessment is an integral part of learning; it provides valuable information to teachers, parents and students on what students are learning and how much they have learned. Teachers can use the information to determine the required areas of remediation and alternative methods of instruction.

Scholastic PRIME™ Mathematics Practice Tests are instruments for summative assessment and help to evaluate students' learning progress and mastery of topics in the middle and at the end of the year.


There are 3 mid-year and 3 end-of-year practice tests. The administration of a second or third test assesses if remediation efforts following the first test are successful.

Name: _____ Date: _____

Mid-Year Test 1

Section A
Questions 1 to 10 carry 1 point each. For each question, choose the correct answer and write its letter in the parentheses () provided.

1. What number does the figure represent?



a. Two hundred
b. Two hundred and seven
c. Two hundred and forty-seven
d. Two hundred and seventy-four ()

2.
$$\begin{array}{r} 385 \\ - 114 \\ \hline \square \end{array}$$

a. 499 b. 371
c. 271 d. 479 ()

Mid-year practice tests cover topics from Coursebook 2A.

End-of-year practice tests cover topics from both Coursebooks 2A and 2B.

Name: _____ Date: _____

End-of-Year Test 1


Section A
Questions 1 to 10 carry 1 point each. For each question, choose the correct answer and write its letter in the parentheses () provided.

1. A bridge is 926 meters long. What is the number 926 in words?
a. Nine hundred and six
b. Nine hundred and twenty
c. Nine hundred and twelve
d. Nine hundred and twenty-six ()

2.
$$\begin{array}{r} 215 \\ + 685 \\ \hline \square \end{array}$$

a. 479 b. 900
c. 897 d. 871 ()

3. What fractional part of this figure is shaded?



a. $\frac{1}{4}$ b. $\frac{3}{5}$
c. $\frac{3}{8}$ d. $\frac{5}{8}$ ()

The Answer Key lists the correct response to each problem. Suggested worked solutions to extended response items provide a possible approach towards solving word problems.

The Skills and Resources Index lists the skills assessed in each task and directs teachers to resources to facilitate remediation of shortfalls in students' comprehension or application skills.

Answer Key

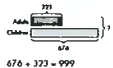
Mid-Year Test 1

Section A
1. c 2. c 3. c 4. c
5. c 6. b 7. c 8. b
9. d 10. a

Section B
11. Five hundred and forty-six
12. 15 13. >
14. more than 15. lighter than
16. 6×17 () () () () () () () () ()

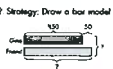
Section C
20. $868 - 610 = 258$
The difference in height between the tallest acrobat and the shortest acrobat is 258 meters.

21. Strategy: Draw a bar model



676 + 373 = 999
The total number of adults and children was 999.

22. Strategy: Draw a bar model



4 x 5 = 20
The total length of the 4 sticks is 20 centimeters.
b. $20 \div 5 = 5 = 30$
The new total length is 30 centimeters.

Mid-Year Test 2

Section A
1. d 2. c 3. b 4. c
5. c 6. a 7. c 8. b
9. d 10. a

Section B
11. 6
12. Nine hundred and three
13. Bear, Tiger, Cow, Bear
14. A 15. 14
16. 6
18. Accept 4 apples drawn on each plate.
19. 202
20. $4 \times 5 = \square$

Section C
21. $90 \div 10 = 9$
There are 9 pens in each bag.
22. a. $4 \times 5 = 20$
The total length of the 4 sticks is 20 centimeters.
b. $20 \div 5 = 5 = 30$
The new total length is 30 centimeters.

Skills and Resources Index

Question	Skill	Teacher's Guide (TG)
1	Count within 1000 Read and write a 3-digit number and the corresponding number word	TG 2A Chapter 1 pp. 4-7
2	Subtract within 1000 without regrouping	TG 2A Chapter 2 pp. 32-33
3	Divide numbers within the multiplication table of 5	TG 2A Chapter 8 pp. 208-209
4	Choose an appropriate unit of measure when measuring mass	TG 2A Chapter 5 pp. 123, 125
5	Compare numbers within 1000	TG 2A Chapter 1 p. 15
6	Measure length in centimeters	TG 2A Chapter 4 pp. 96-98
7	Continue a number pattern by counting on in ones	TG 2A Chapter 1 pp. 4-7
8	Find the number which is 10 more than a given number within 1000	TG 2A Chapter 1 pp. 16-17
9	Solve a 1-step word problem on multiplication	TG 2A Chapter 8 pp. 212-213
10	Compare the lengths of objects in centimeters	TG 2A Chapter 4 pp. 96-98
11	Read and write a 3-digit number and the corresponding number word	TG 2A Chapter 1 pp. 4-7
12	Work out a multiplication fact	TG 2A Chapter 6 pp. 150-151
13	Use the symbols ">" and "<" for comparison of numbers	TG 2A Chapter 1 pp. 11-14
14	Compare lengths and distances in meters	TG 2A Chapter 4 pp. 93-95
15	Compare masses in kilograms	TG 2A Chapter 5 pp. 121-122
16	Divide objects by grouping	TG 2A Chapter 7 pp. 167-169
17	Solve a 1-step word problem on division	TG 2A Chapter 8 p. 213

Contents

Topics Tested		Test Papers	Pages	Score
Mid-Year	1. Numbers to 1000 2. Addition and Subtraction 3. Length 4. Mass 5. Multiplication and Division	Test 1	1–10	25
		Test 2	11–20	25
		Test 3	21–30	25

Topics Tested		Test Papers	Pages	Score
End-of-Year	1. Numbers to 1000 2. Addition and Subtraction 3. Length 4. Mass 5. Multiplication and Division 6. Money 7. Fractions 8. Time 9. Graphs 10. Shapes and Patterns	Test 1	31–42	25
		Test 2	43–54	25
		Test 3	55–64	25

Answer Key

65–68

Skills and Resources Index

69–82

Name: _____

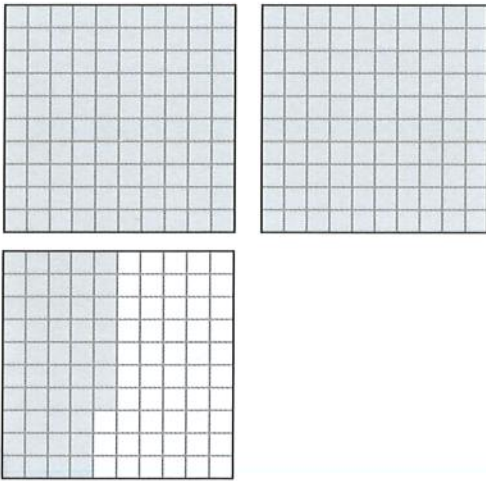
Date: _____

Mid-Year Test I

Section A

Questions 1 to 10 carry 1 point each. For each question, choose the correct answer and write its letter in the parentheses () provided.

1. What number does the figure represent?



- a. Two hundred
- b. Two hundred and seven
- c. Two hundred and forty-seven
- d. Two hundred and seventy-four

()

2.
$$\begin{array}{r} 385 \\ - 114 \\ \hline \end{array}$$



- a. 499
- b. 371
- c. 271
- d. 479

()

3. $35 \div 5 = \square$

- a. 4
- c. 7

- b. 6
- d. 8

()

4. Which unit should be used to measure the mass of an elephant?

- a. centimeter
- c. kilogram

- b. meter
- d. gram

()

5. The number of people who watched 4 football matches is shown.

- Match A : 761 people
- Match B : 737 people
- Match C : 792 people
- Match D : 702 people

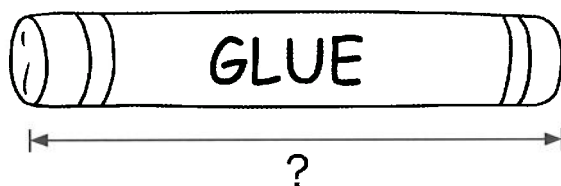
Which match did the most number of people watch?

- a. Match A
- c. Match C

- b. Match B
- d. Match D

()

6. How long is the roll of glue? Use your centimeter ruler to measure.



- a. 6 cm
- c. 8 cm

- b. 7 cm
- d. 9 cm

()

7. Look at the number pattern.

302, 307, 312, 317,

If the pattern continues, what should the next number be?

- a. 318 b. 320
c. 322 d. 324

()

8. $673 + \square = 683$

- a. 13 b. 10
c. 100 d. 1000

()

9. There are 2 rows of students.

There are 10 students in each row.

Which number sentence should be used to find the total number of students?

- a. $10 + 2 = \square$ b. $10 - 2 = \square$
c. $10 \div 2 = \square$ d. $2 \times 10 = \square$

()

10. Marcus is 97 centimeters tall.

He is 3 centimeters taller than Tim.

Ashley is 3 centimeters shorter than Tim.

How tall is Ashley?

- a. 91 cm b. 94 cm
c. 97 cm d. 100 cm

()

Section B

For questions 11 to 19, each answer carries 1 point.
Write your answer in the answer blank provided.

11. Write 546 in words.

Ans: _____

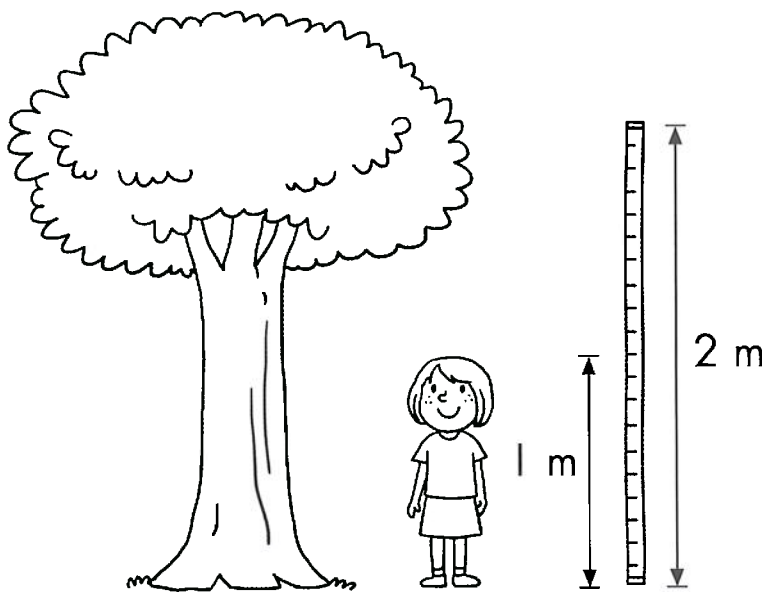
12. $15 \times 1 = \square$

Ans: _____

13. Write $>$ or $<$.

$517 \bigcirc 175$

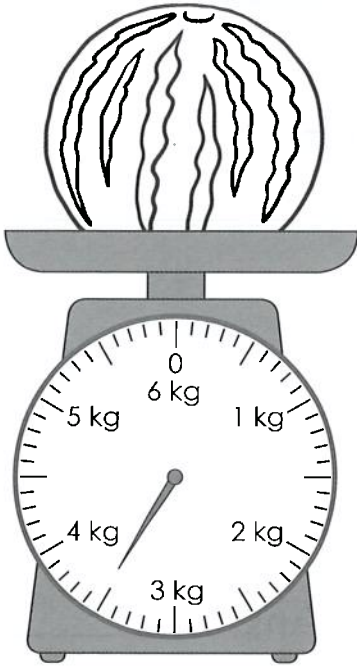
14. Complete the sentence with 'more than' or 'less than'.



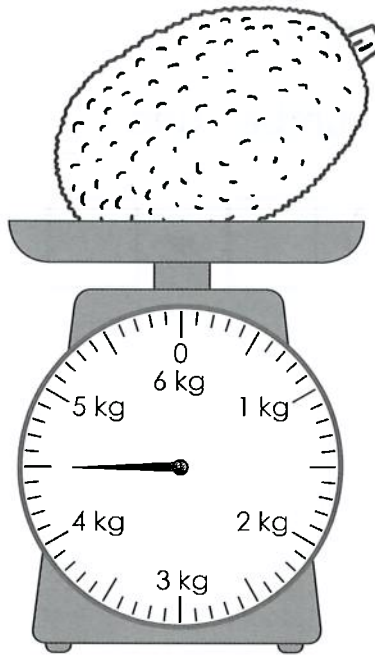
The height of the tree is _____ 2 meters.

15. Complete the sentence with 'heavier than' or 'lighter than'.

watermelon

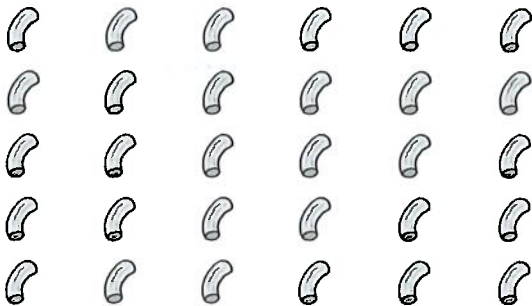


jackfruit



The watermelon is _____ the jackfruit.

16. Susie has 30 pieces of pasta.
She puts 5 pieces of pasta in each bowl.



She needs _____ bowls.

17. Mr. Ray has 8 chairs.
He puts them in 2 equal rows.

Complete the number sentence to find the number of chairs in each row.

Fill in with a number and with \times or \div .

$$\square \bigcirc \square = \square$$

18. Add 370 to 215.
Then subtract 90.
What is the answer?

Ans: _____

19. A three-digit number has 8 in the hundreds place.
Using the digits below, which are the two possible three-digit numbers?

6	8	1
---	---	---

Ans: _____ and _____

Section C

**For questions 20 to 23, each answer carries 1 point.
Write your answer in the space provided.
Show your work.**

20. The height of each mountain is shown.

Mountain A : 868 meters

Mountain B : 752 meters

Mountain C : 610 meters

Mountain D : 742 meters

What is the difference in height between the tallest mountain and the shortest mountain?

The difference in height between the tallest mountain and the shortest mountain is _____ meters.

21. There were 323 adults and 676 children at a movie multiplex.

What was the total number of adults and children?

The total number of adults and children was _____.

22. Gina jogged 450 meters.
Her friend jogged 50 meters more than her.
- a. How many meters did her friend jog?

Her friend jogged _____ meters.

- b. How many meters did they jog altogether?

They jogged _____ meters altogether.

23. The total mass of a bicycle and a motorcycle is 220 kilograms.
The mass of the motorcycle is 20 kilograms.
What is the mass of the bicycle?

The mass of the bicycle is _____ kilograms.

Name: _____

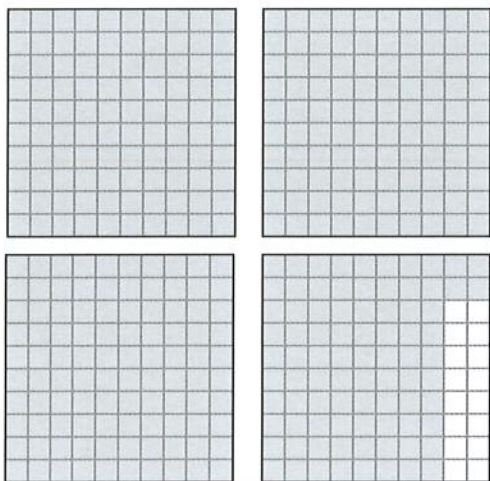
Date: _____

Mid-Year Test 2

Section A

Questions 1 to 10 carry 1 point each. For each question, choose the correct answer and write its letter in the parentheses () provided.

1. What number does the figure represent?



a. 304

b. 390

c. 328

d. 384

()

2.
$$\begin{array}{r} 314 \\ + 85 \\ \hline \end{array}$$

$$\begin{array}{r} 314 \\ + 85 \\ \hline \square \end{array}$$

a. 319

b. 409

c. 399

d. 231

()

3. $14 \div 2 = \square$

a. 6

b. 7

c. 12

d. 16

()

4. A tailor measured the arms of 4 customers.

Amber: 56 centimeters

Dale : 57 centimeters

Harry : 61 centimeters

Julio : 60 centimeters

Who has the longest arms?

a. Amber

b. Dale

c. Harry

d. Julio

()

5. The length of each street is shown.

Street A : 765 meters

Street B : 675 meters

Street C : 775 meters

Street D : 657 meters

Which street is the longest?

a. Street A

b. Street B

c. Street C

d. Street D

()

6. Which unit should be used to measure your mass?

a. kilogram

b. centimeter

c. meter

d. gram

()

7. Look at the number pattern.

203, 207, 212, 218,

If the pattern continues, what should the next number be?

a. 219

b. 223

c. 225

d. 230

()

Section B

**For questions 11 to 20, each answer carries 1 point.
Write your answer in the answer blank provided.**

11. Measure AB. How long is it?



Ans: _____ cm

12. Write 903 in words.

Ans: _____

13. The mass of four animals in a zoo is shown.

Bear : 703 kilograms

Boar : 280 kilograms

Tiger : 334 kilograms

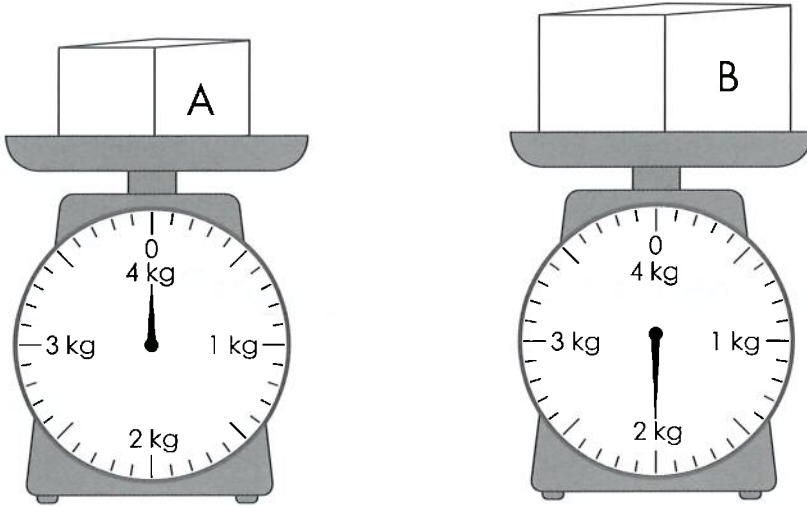
Cow : 562 kilograms

Arrange the animals in order.

Begin with the lightest animal.

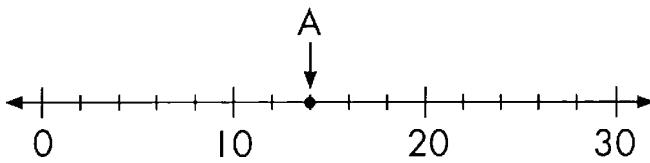
Ans: _____

14. Which box has a greater mass?



Ans: Box _____

15. What is the value of A?

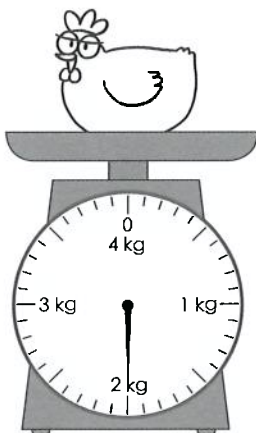


I can skip count.



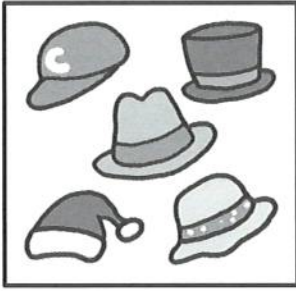
Ans: _____

16. The scale below shows the mass of one chicken.
Find the total mass of 3 such chickens.



Ans: _____ kg

17.



How many stickers will there be on 9 such pages?

Ans: _____ stickers

18. 5 friends share 30 apples equally.

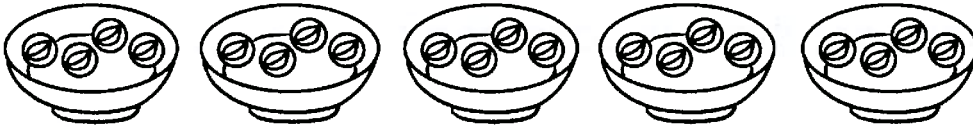
Draw to show how many apples each friend will get.



19. Add 267 and 58.
Then subtract 123.
What is the answer?

Ans: _____

20. Nicola has a few bowls of marbles.



Which number sentence does not show the total number of marbles she has?

$$5 \times 4 = \square$$

$$4 + 5 = \square$$

$$4 + 4 + 4 + 4 + 4 = \square$$

Ans: _____

Section C

**For questions 21 to 23, each answer carries 1 point.
Write your answer in the space provided.
Show your work.**

21. Moriss has 90 pens.
He packs them equally into 10 bags.
How many pens are there in each bag?

There are _____ pens in each bag.

22. Jim has 4 sticks.

Each stick is 5 centimeters long.

- a. If Jim arranges the sticks end to end, what is the total length of the 4 sticks?



The total length of the 4 sticks is
_____ centimeters.

- b. If Jim adds 2 more similar sticks, what is the new total length?

The new total length is _____ centimeters.

23. Mr. Johnson has a bag of 10 kilograms of seeds.
Mr. Garcia has 3 such bags of seeds.

a. How many kilograms of seeds does Mr. Garcia have?

Mr. Garcia has _____ kilograms of seeds.

b. They pack all the seeds into 5 bags of equal mass.
How many kilograms of seeds are there in
each bag?

There are _____ kilograms of seeds in
each bag.

Name: _____

Date: _____

Mid-Year Test 3

Section A

Questions 1 to 10 carry 1 point each. For each question, choose the correct answer and write its letter in the parentheses () provided.

1. What is the number 786 in words?

- a. Six hundred and sixty-eight
- b. Seven hundred and eighty-six
- c. Seven hundred and sixty-eight
- d. Six hundred and seventy-eight

()

2. Arrange the numbers in order.
Begin with the smallest number.

546 364 645 346

- a. 645, 546, 364, 346
- b. 645, 364, 546, 346
- c. 364, 346, 546, 645
- d. 346, 364, 546, 645

()

3. 6 7 8

+ 2 1

□

- a. 996
- b. 657
- c. 799
- d. 699

()

4. $22 \div 2 = \square$

- a. 6
- c. 11

- b. 7
- d. 20

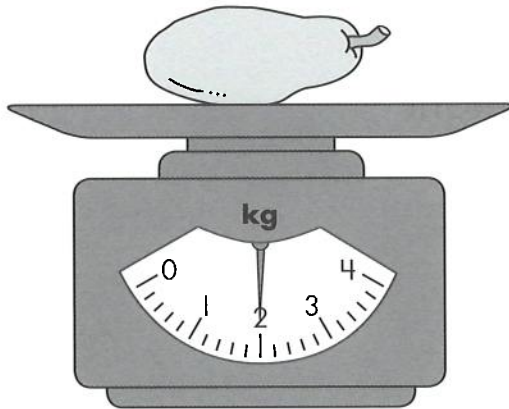
()

5. Which of these should Javier use to measure his living room?

- a. a centimeter ruler
- b. a meter ruler
- c. a kilogram scale
- d. a gram scale

()

6. What is the mass of the papaya?



- a. 1 kg
- c. 3 kg

- b. 2 kg
- d. 4 kg

()

7. Eduardo scored 153 points in the first round of a game and 42 points in the second round. How much more did he score in the first round than the second round?

- a. 159
- c. 113

- b. 195
- d. 111

()

8. Hugo's mass is 56 kilograms.
Linda is 6 kilograms lighter than him.
What is Linda's mass?

- a. 50 kg b. 62 kg
c. 66 kg d. 65 kg

()

9. Millie puts 475 rubber bands in three boxes.
There are 220 rubber bands in the first box and
55 rubber bands in the second box.
How many rubber bands are there in the third box?

- a. 175 b. 200
c. 255 d. 310

()

10. First multiply the numbers in the boxes. Then add.

$$\boxed{6 \times 5} + \boxed{3 \times 10} + \boxed{2 \times 1} = \boxed{}$$

- a. 26 b. 60
c. 62 d. 61

()

Section B

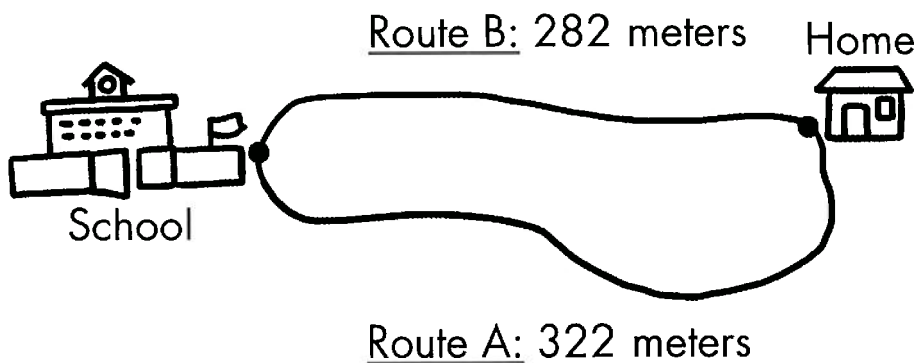
For questions 11 to 20, each answer carries 1 point.
Write your answer in the answer blank provided.

11. Write 345 in words.

Ans: _____

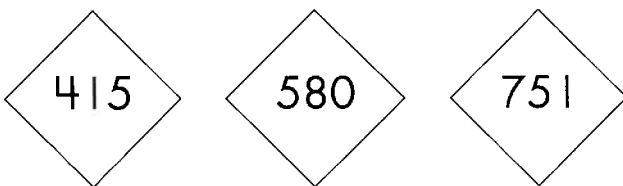
12. Sarin can take two different routes to go home from school.

Which is a shorter route?



Ans: _____

13. Which number has the digit 5 in the hundreds place?



Ans: _____

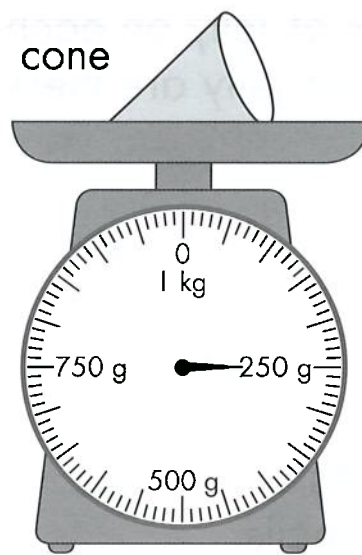
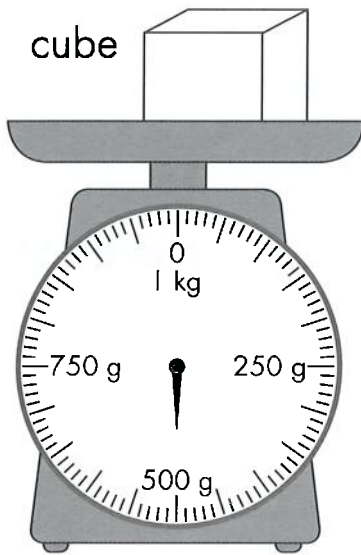
14. $7 \times 2 = \square$

Ans: _____

15. $18 \div 2 = \square$

Ans: _____

16. The scales below show the mass of a cone and a cube.
Find the total mass of one cube and two cones.



Ans: _____ g

17. Jamie had 16 jars.
He put 2 jars in each box.

Complete the number sentence to find the number of boxes he used altogether.

Fill in \square with a number and \bigcirc with \times or \div .

$$16 \bigcirc 2 = \square$$

18. Ingrid is counting pairs of wheels on bicycles.

... 4, 6, 8, 10, 12,

Which number should come next?

Ans: _____

19. There are 9 pieces of jelly on each plate.

How many pieces of jelly are there altogether on 5 such plates?

Ans: _____ pieces of jelly

20. Vera has 10 pencils in each box.

She has 2 boxes.

Karen has 10 boxes of pencils.

Each box has 2 pencils.

The number sentence shows the total number of pencils one of them has.

Whose number sentence is it?

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = \square$$

Ans: _____

Section C

**For questions 21 to 24, each answer carries 1 point.
Write your answer in the space provided.
Show your work.**

21. The height of each dam is shown. _____

Dam A : 218 meters

Dam B : 280 meters

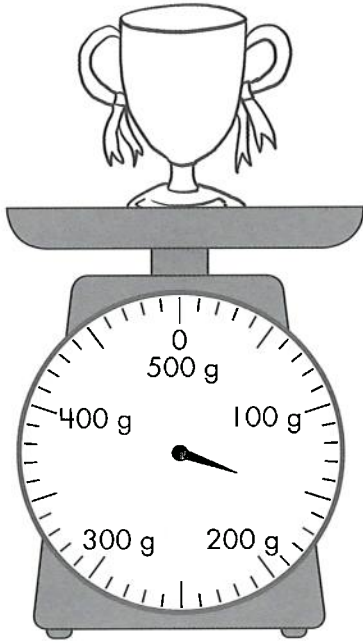
Dam C : 382 meters

Dam D : 230 meters

What is the total height of the shortest dam and the tallest dam?

The total height of the shortest dam and the tallest dam is _____ meters.

22. The scale shows the mass of a trophy.
What is the mass of 4 such trophies?

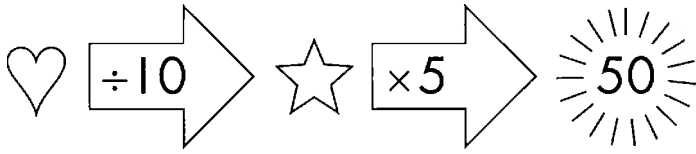


The mass of 4 such trophies is _____ grams.

23. I am a three-digit number.
The total of the three digits is 9.
The digit in the tens place is two times the digit
in the hundreds place.
I have a zero in the ones place.
What number am I?

I am _____.

24. What are the values of ☆ and ♥?



The value of ☆ is _____.

The value of ♥ is _____.

Name: _____

Date: _____

End-of-Year Test 2

Section A

Questions 1 to 10 carry 1 point each. For each question, choose the correct answer and write its letter in the parentheses () provided.

1. How many hundreds, tens and ones are there in 897?

- a. Nine hundreds, eight tens, seven ones
- b. Seven hundreds, nine tens, seven ones
- c. Eight hundreds, nine tens, seven ones
- d. Eight hundreds, seven tens, nine ones

()

2. $208 - 45 = \square$

- a. 243
- b. 163
- c. 103
- d. 332

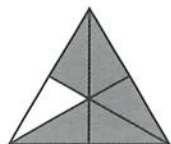
()

3. Which of the following is the greatest fraction?

- a. $\frac{1}{2}$
- b. $\frac{1}{7}$
- c. $\frac{1}{3}$
- d. $\frac{1}{10}$

()

4. What fractional part of this figure is shaded?



- a. $\frac{4}{6}$
- b. $\frac{5}{6}$
- c. $\frac{1}{2}$
- d. $\frac{2}{3}$

()

5. How many hours are there in a day?

a. 0

b. 6

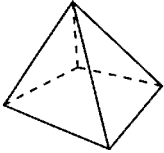
c. 12

d. 24

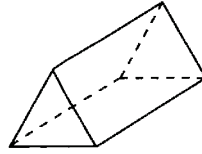
()

6. Which solid has 6 faces?

a.



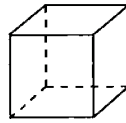
b.



c.



d.



()

7. $2\text{ m} \bigcirc 2\text{ cm}$

This missing symbol in the \bigcirc is

a. =

b. <

c. >

d. x

()

8. Two-thirds and \square make 1 whole.

a. $\frac{1}{3}$

b. $\frac{3}{6}$

c. $\frac{1}{6}$

d. $\frac{2}{9}$

()

9. Which of the following amounts is the smallest?

a. \$54.65

b. \$54.56

c. \$50.35

d. \$50.55

()

10. $\square - 145 = 709$

What is the missing number?

a. 564

b. 644

c. 844

d. 854

()

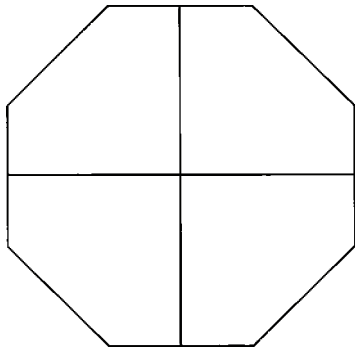
Section B

For questions 11 to 20, each answer carries 1 point.
Write your answer in the answer blank provided.

11. $24 \div 3 = \square$

Ans: _____

12. Shade the figure so that it is $\frac{3}{4}$ shaded.



13. Three children are asked to complete the number sentence shown.

$$4 + 4 + 4 + 4 + 4 = \square \bigcirc \square$$

Lina's answer is 5×4 .

George's answer is 4×4 .

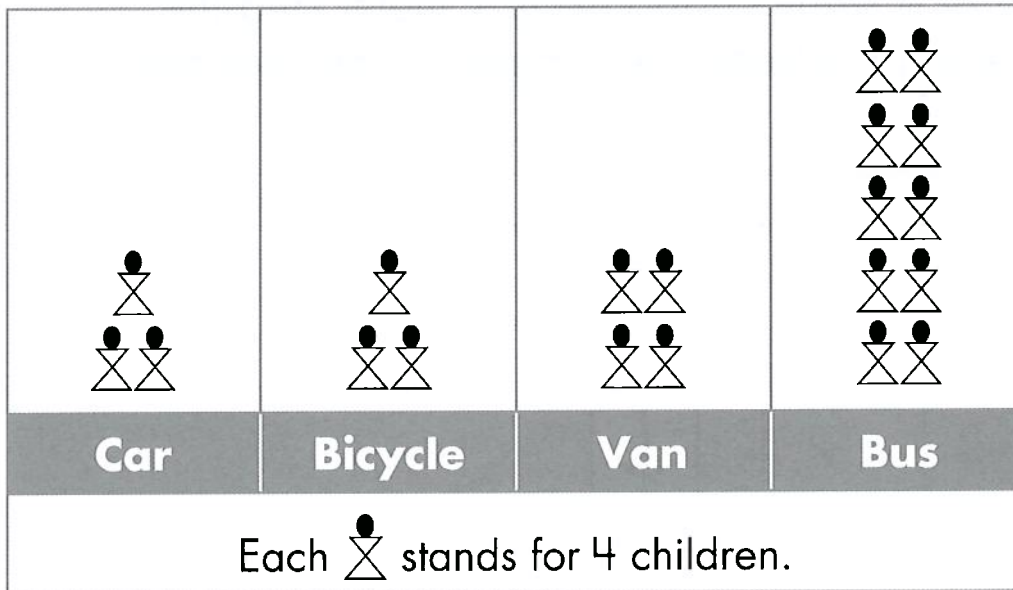
Holly's answer is $5 + 4$.

Whose answer is correct?

Ans: _____

The picture graph below shows the type of transport children take to school.

Use the picture to answer questions 14 and 15.



14. Most children go to school by .

Ans: _____

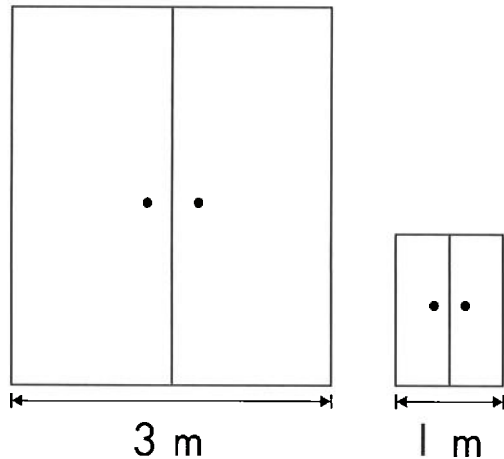
15. How many children go to school by bicycle? _____

Ans: _____ children

16. Mrs. Sonia arranges 4 small cupboards and 1 big cupboard in a row.

There are no spaces between the cupboards.

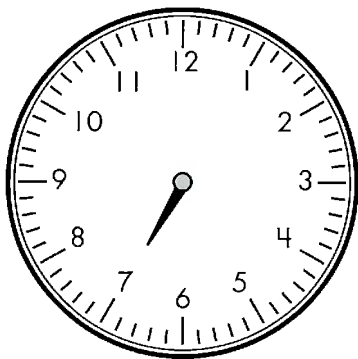
If the length of a small cupboard is 1 meter and the length of the big cupboard is 3 meters, what will the total length be?



Ans: _____ m

17. Leo put some potatoes in the oven at 6:45 p.m.
He baked them for 15 minutes.

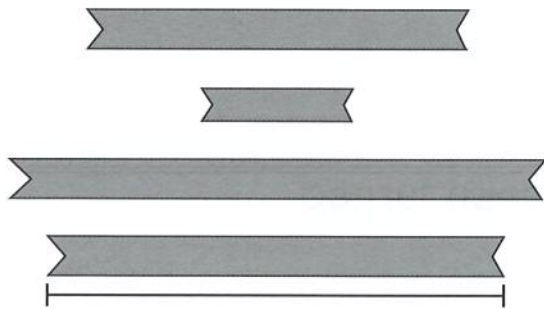
At what time did he take the potatoes out of the oven?
Draw the minute hand to show the correct time.



18. Tammy has 4 ribbons.

If she lays all 4 ribbons end to end, what will the total length be?

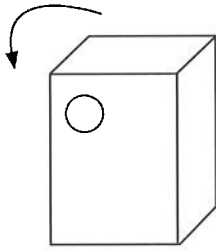
Use a centimeter ruler to measure the ribbons.



Ans: _____ cm

19. Draw a picture with 2 semicircles, 2 rectangles, 2 squares and 2 triangles.

20. This box will be turned on its side, as shown by the arrow.



Draw the box after it has been turned.

Section C

**For questions 21 to 25, each answer carries 1 point.
Write your answer in the space provided.
Show your work.**

21. The mass of some paper clips is 45 grams.
The mass of each paper clip is 5 grams.
How many paper clips are there?

There are _____ paper clips.

22. Karen uses some beads to make a necklace.

On Day 1, she strings 2 beads.

On Day 2, she adds 4 beads.

On Day 3, she adds 6 beads.

If the pattern continues, how many beads will there be in the necklace on Day 6?



Day 1



Day 2

There will be _____ beads in the necklace on Day 6.

23. I am a three-digit number.

The total of the three digits is 9.

The digit in my hundreds place is two times the digit in my ones place.

The digit in my tens place is 0.

What number am I?

I am _____.

24. Sack A contains 45 kilograms more fertilizer than Sack B.
There are 65 kilograms of fertilizer altogether.
What is the mass of fertilizer in Sack B?

The mass of fertilizer in Sack B is _____ kilograms.

25. Four children collect drink cans for recycling.

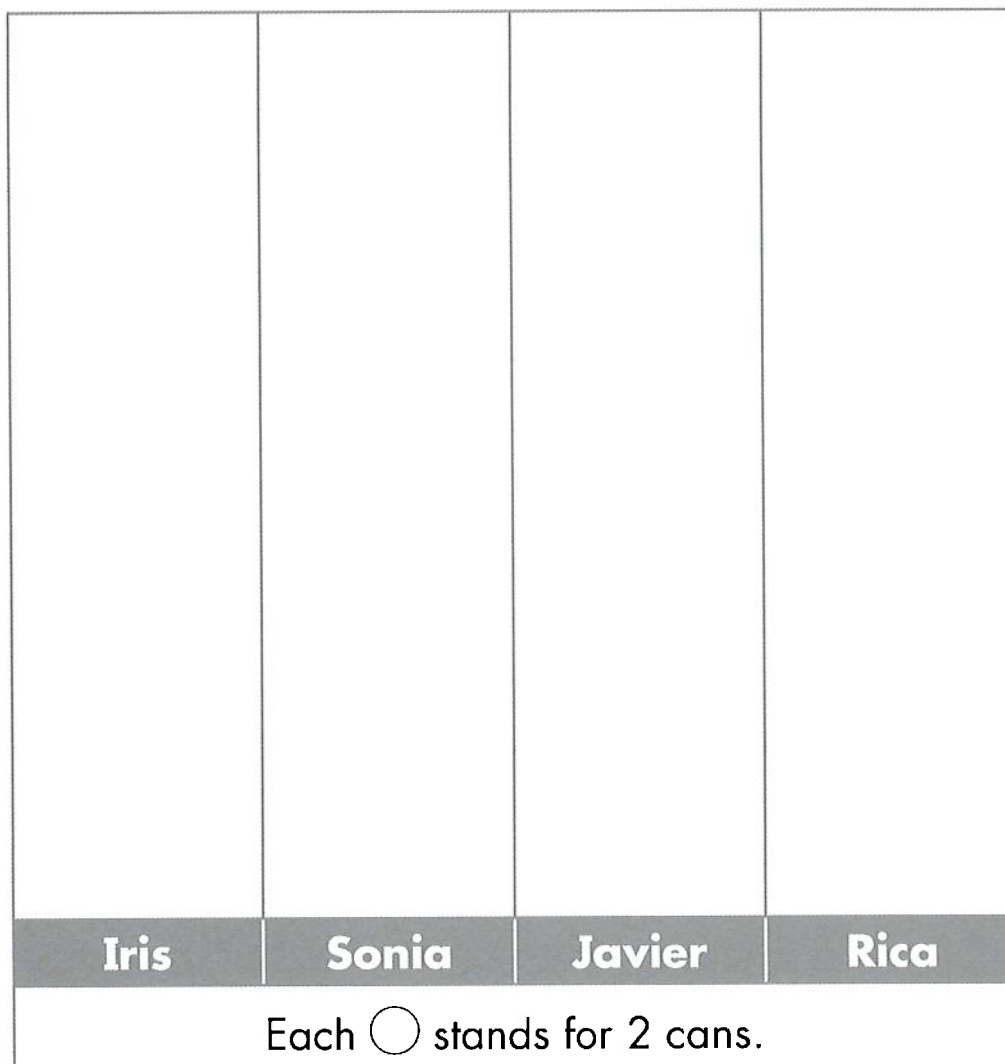
Iris : 18

Sonia : 12

Javier : 14

Rica : 10

Draw a picture graph to show the number of cans each child collects.



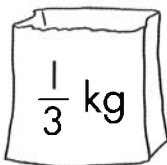
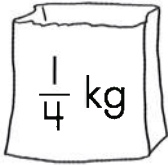
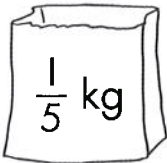
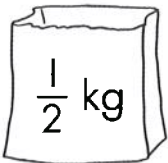
Name: _____

Date: _____

End-of-Year Test 3

Section A

Questions 1 to 10 carry 1 point each. For each question, choose the correct answer and write its letter in the parentheses () provided.

1. What is the sum of 4 hundreds, 3 tens and 2 ones in words?
a. Four hundred and thirty-two
b. Three hundred and forty-two
c. Two hundred and forty-three
d. Three hundred and twenty-four ()
2. How many weeks are there in a year?
a. 4
b. 16
c. 30
d. 52 ()
3. Which bag of nuts is the lightest?
a.  $\frac{1}{3}$ kg
b.  $\frac{1}{4}$ kg
c.  $\frac{1}{5}$ kg
d.  $\frac{1}{2}$ kg ()

4. Leroy and Amy each have   .

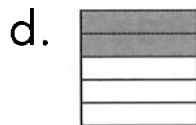
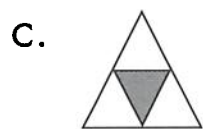
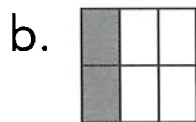
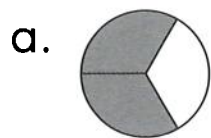
Leroy writes the amount as 70¢.

Amy writes it as \$0.70.

Who is correct?

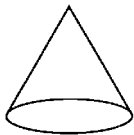
- a. Leroy only. b. Amy only.
c. Both are wrong. d. Both are correct. ()

5. Which figure is $\frac{2}{3}$ shaded?



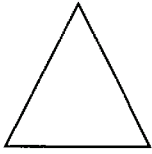
()

6. How many vertices does a cone have?

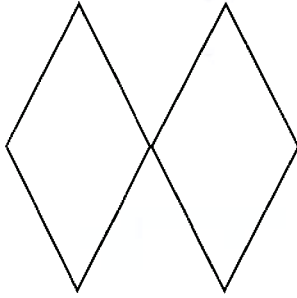


- a. 0 b. 1
c. 2 d. 3 ()

7. Fran drew a triangle.



How many similar triangles will fit into this figure?



a. 3

b. 4

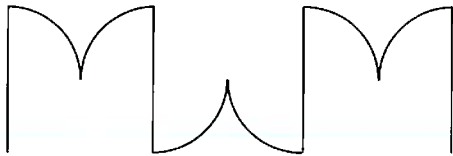
c. 5

d. 6

()

8. Look at the diagram.

How many more curves than straight lines are there?



a. 2

b. 4

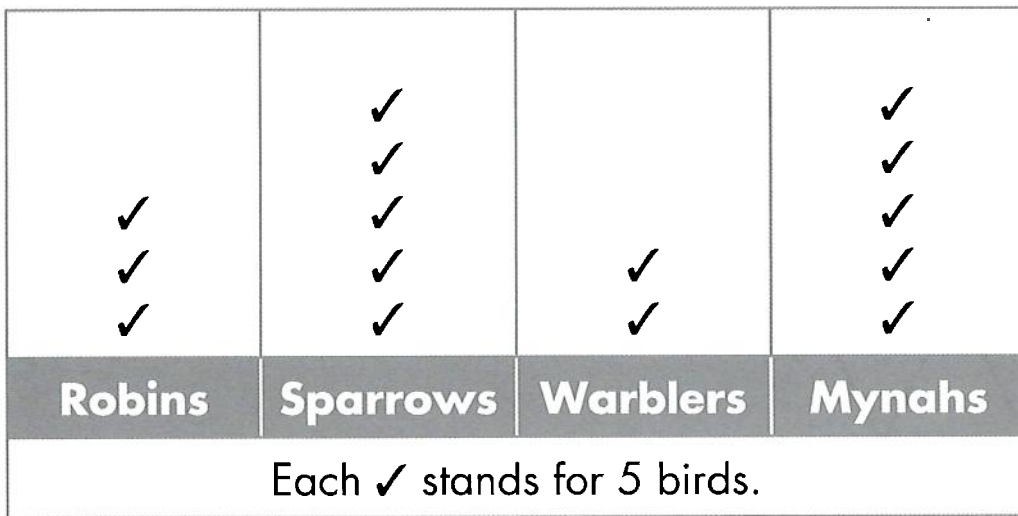
c. 6

d. 10

()

Maria made a picture graph of the number of birds she saw as shown below.

Use the graph to answer questions 9 and 10.



9. How many more sparrows than robins did Maria see?

- a. 5
- c. 15

- b. 10
- d. 20

()

10. What was the total number of birds Maria saw?

- a. 15
- c. 75



- b. 20
- d. 80

()

Section B

For questions 11 to 20, each answer carries 1 point.
Write your answer in the answer blank provided.

11. Complete the table.

Shape	Number of curved surfaces	Number of flat surfaces
 Cube		
 Cylinder		

12. How many days are there from March 1 to June 30?

Ans: _____ days

13. Which fraction is greater than $\frac{1}{5}$ but smaller than $\frac{1}{2}$?

$\frac{1}{2}$								
$\frac{1}{4}$								
$\frac{1}{5}$								
$\frac{1}{9}$								

Ans: _____

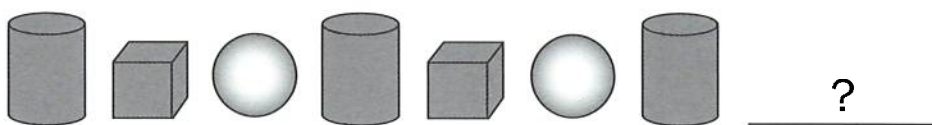
14. There are 3 peaches in each bag.
How many peaches are there in 9 bags?

Ans: _____ peaches

15. David puts 60 eggs into 10 trays.
He puts an equal number of eggs into each tray.
How many eggs does he put in each tray?

Ans: _____ eggs

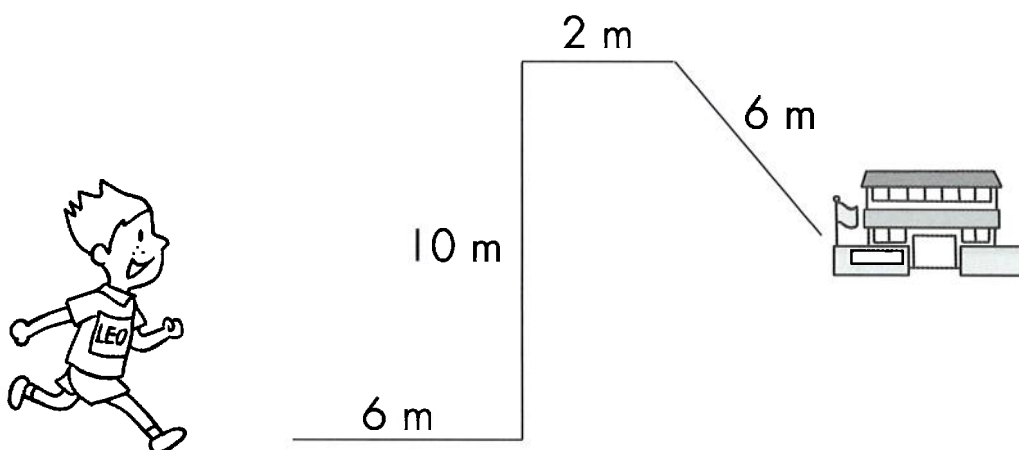
16. Jason made this pattern of solids.



If the pattern continues, draw the solid that would come next.

Ans: _____

17. Look at the picture.
How far away from school is Leo?

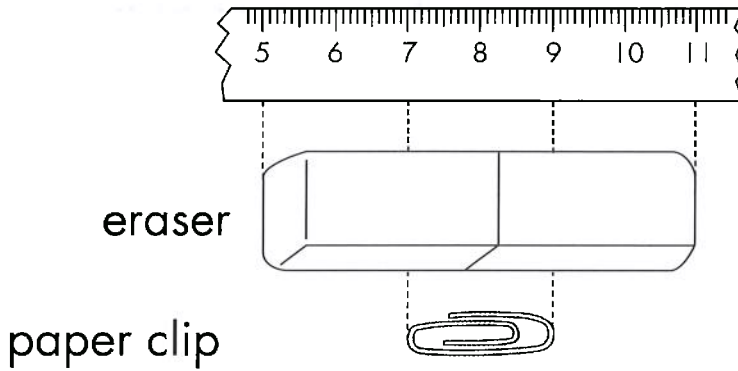


Ans: _____ m

18. $48 + \square = 100$

Ans: _____

19. The centimeter ruler is not drawn to scale.



How much longer is the eraser than the paper clip?

Ans: _____ cm

20. Alice has



Maria has



Who has more money?

Ans: _____

Section C

**For questions 21 to 25, each answer carries 1 point.
Write your answer in the space provided.
Show your work.**

21. A line of 354 people wanted to buy tickets to a cricket match.
Only 297 people got tickets.
How many people did not get tickets?

_____ people did not get tickets.

22. I am a three-digit number.
The total of the three digits is 12.
The digit in my tens place is three times the digit in my hundreds place.
If the digit in my ones place is 0, what number am I?

I am _____.

23. Shop A and Shop B sold 345 kilograms of corn altogether.
Shop B sold 159 kilograms of corn.
How much more corn did Shop A sell?

Shop A sold _____ kilograms more corn than Shop B.

24. Kent bought dinner for his family for \$70.
He paid for it with two \$50 bills.
How much change did he receive?

He received \$_____.

25. Mrs. Lopez is watching a television show.
The show is 60 minutes long.
She starts watching at 7:05 p.m.
It is now 7:45 p.m.

What time will the show end?

The show will end at _____.

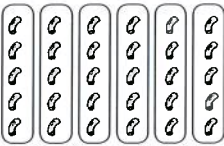
Answer Key

Mid-Year Test I

Section A

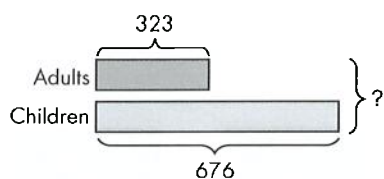
1. c 2. c 3. c 4. c
5. c 6. b 7. c 8. b
9. d 10. a

Section B

11. Five hundred and forty-six
12. 15 13. >
14. more than 15. lighter than
16.  ; 6 17. $\boxed{8} \div \boxed{2} = \boxed{4}$
18. 495 19. 816 and 861

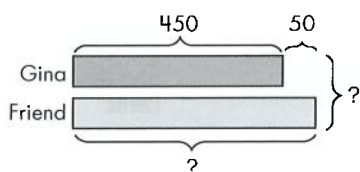
Section C

20. $868 - 610 = 258$
The difference in height between the tallest mountain and the shortest mountain is **258 meters**.
21. Strategy: Draw a bar model



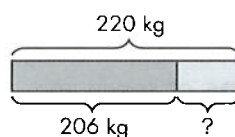
$676 + 323 = 999$
The total number of adults and children was **999**.

22. Strategy: Draw a bar model



- a. $450 + 50 = 500$
Her friend jogged **500 meters**.
b. $450 + 500 = 950$
They jogged **950 meters** altogether.

23. Strategy: Draw a bar model.



$220 - 206 = 14$
The mass of the bicycle is **14 kilograms**.

Mid-Year Test 2

Section A

1. d 2. c 3. b 4. c
5. c 6. a 7. c 8. b
9. d 10. a

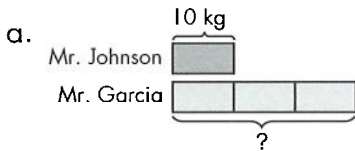
Section B

11. 6
12. Nine hundred and three
13. Boar, Tiger, Cow, Bear
14. A 15. 14
16. 6 17. 45
18. Accept 6 apples drawn on each plate.
19. 202
20. $4 + 5 = \square$

Section C

21. $90 \div 10 = 9$
There are **9 pens** in each bag.
22. a. $4 \times 5 = 20$
The total length of the 4 sticks is **20 centimeters**.
b. $20 + 5 + 5 = 30$
The new total length is **30 centimeters**.

23. Strategy: Draw a bar model

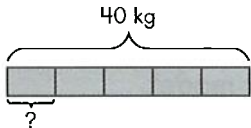


$$3 \times 10 = 30$$

Mr. Garcia has **30 kilograms** of seeds.

b. $10 + 30 = 40$

The total mass of the seeds is 40 kilograms.



$$40 \div 5 = 8$$

There are **8 kilograms** of seeds in each bag.

Mid-Year Test 3

Section A

1. b 2. d 3. d 4. c
5. b 6. b 7. d 8. a
9. b 10. c

Section B

11. Three hundred and forty-five

12. Route B 13. 580

14. 14 15. 9

16. 1000 17. $16 \div 2 = 8$

18. 14 19. 45

20. Karen's

Section C

21. $218 + 382 = 600$

The total height of the shortest dam and the tallest dam is **600 meters**.

22. $150 + 150 + 150 + 150 = 600$

The mass of 4 such trophies is **600 grams**.

23. Strategy: Guess and check

The ones digit is 0. Only the hundreds digit and tens digit add to 9.

We guess the hundreds digit is 3.

$$3 \times 2 = 6$$

The tens digit is 6.

$$3 + 6 = 9 \checkmark$$

I am **360**.

24. Strategy: Work backwards

$$50 \div 5 = 10$$

The value of ☆ is **10**.

$$10 \times 10 = 100$$

The value of ♥ is **100**.

End-of-Year Test I

Section A

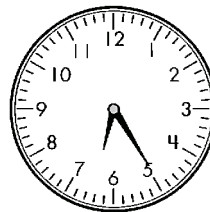
1. d 2. b 3. d 4. a
5. c 6. b 7. c 8. d
9. d 10. c

Section B

11. 32

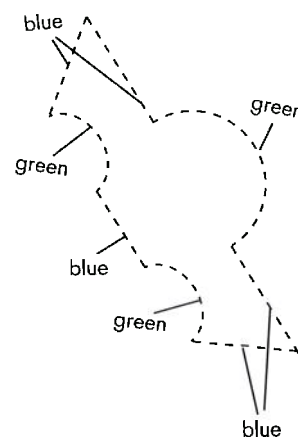
12. 10

13.



14. $\frac{1}{12}, \frac{1}{8}, \frac{1}{6}, \frac{1}{4}$

15.



16.

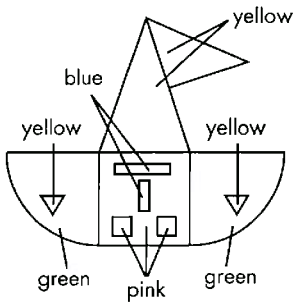


Fifteen dollars and fifteen cents

Five dollars and fifty cents

Eleven dollars and ten cents

17.



18. Accept a line 8 centimeters long.

19. Jamal



Section C

21. $4 \times 4 = 16$

She does **16 chin-ups** in 4 days.

22. $4 \times 3 = 12$

12 peanut butter sandwiches were eaten.

$2 \times 3 = 6$

6 egg sandwiches were eaten.

$12 - 6 = 6$

6 more peanut butter sandwiches than egg sandwiches were eaten.

23. Strategy: Look for patterns

On Day 5, she will add 7 rubber bands.

$3 + 4 + 5 + 6 + 7 = 25$

There will be **25 rubber bands** in the chain on Day 5.

24. Strategy: Work backwards

$40 \div 4 = 10$

The value of B is **10**.

$10 - 5 = 5$

The value of A is **5**.

End-of-Year Test 2

Section A

1. c 2. b 3. a 4. b

5. d 6. d 7. c 8. a

9. c 10. d

Section B

11. 8

12. Accept any 3 parts shaded.

13. Lina's

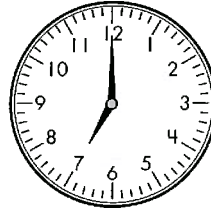
14. Bus

15. 12

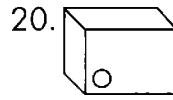
16. 7

17.

18. 20



19. Accept any picture with 2 semicircles, 2 rectangles, 2 squares and 2 triangles.



Section C

21. $45 \div 5 = 9$

There are **9 paper clips**.

22. Strategy: Look for patterns

On Day 6, she will add 12 beads.

$2 + 4 + 6 + 8 + 10 + 12 = 42$

There will be **42 beads** in the necklace on Day 6.

23. Strategy: Draw a bar model



3 units \rightarrow 9

1 unit \rightarrow $9 \div 3 = 3$

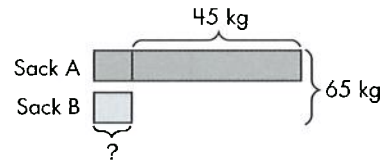
The digit in the ones place is 3.

2 units \rightarrow $2 \times 3 = 6$

The digit in the hundreds place is 6.

I am **603**.

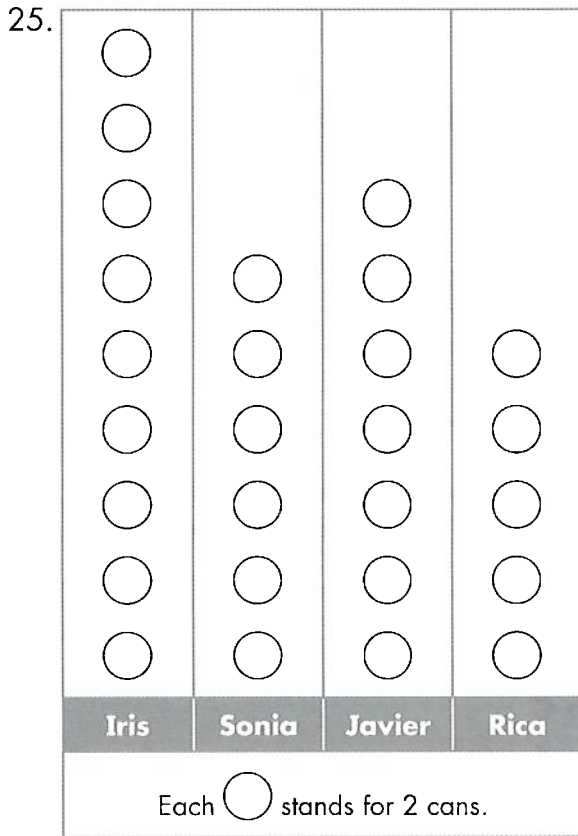
24. Strategy: Draw a bar model



2 units \rightarrow $65 - 45 = 20$

1 unit \rightarrow $20 \div 2 = 10$

The mass of fertilizer in Sack B is **10 kilograms**.



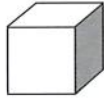

End-of-Year Test 3

Section A

1. a 2. d 3. c 4. d
 5. a 6. a 7. b 8. a
 9. b 10. c

Section B

11.

Shape	Number of curved surfaces	Number of flat surfaces
	0	6
	1	2

12. 122

13. $\frac{1}{4}$

14. 27

15. 6

16.  17. 24 meters

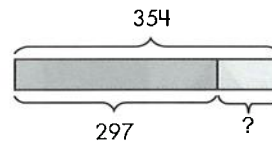
18. 52

19. 4

20. Maria

Section C

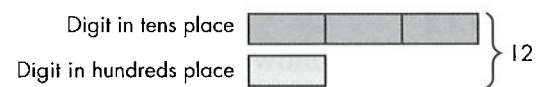
21. Strategy: Draw a bar model.



$$354 - 297 = 57$$

57 people did not get tickets.

22. Strategy: Draw a bar model



$$4 \text{ units} \rightarrow 12$$

$$1 \text{ unit} \rightarrow 12 \div 4 = 3$$

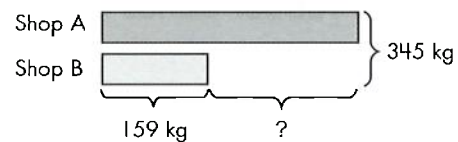
The hundreds digit is 3.

$$3 \text{ units} \rightarrow 3 \times 3 = 9$$

The tens digit is 9.

I am **390**.

23. Strategy: Draw a bar model



$$345 - 159 = 186$$

Shop A sold 186 kilograms of corn.

$$186 - 159 = 27$$

Shop A sold **27 kilograms** more corn than Shop B.

24. $\$50 + \$50 = \$100$

He paid for dinner with \$100.

$$\$100 - \$70 = \$30$$

He received **\$30**.

25. 60 min = 1 hour

The show starts at 7:05 p.m.

1 hour after 7:05 p.m. is 8:05 p.m.

The show will end at **8:05 p.m.**

Skills and Resources Index

Skills and Resources Index

Mid-Year Test 1

Question	Skill	Teacher's Guide (TG)
1	Count within 1000	TG 2A Chapter 1 pp. 4–7
	Read and write a 3-digit number and the corresponding number word	
2	Subtract within 1000 without regrouping	TG 2A Chapter 2 pp. 32–33
3	Divide numbers within the multiplication table of 5	TG 2A Chapter 8 pp. 208–209
4	Choose an appropriate unit of measure when measuring mass	TG 2A Chapter 5 pp. 123, 125
5	Compare numbers within 1000	TG 2A Chapter 1 p. 15
6	Measure length in centimeters	TG 2A Chapter 4 pp. 96–98
7	Continue a number pattern by counting on in ones	TG 2A Chapter 1 pp. 4–7
8	Find the number which is 10 more than a given number within 1000	TG 2A Chapter 1 pp. 16–17
9	Solve a 1-step word problem on multiplication	TG 2A Chapter 8 pp. 212–213
10	Compare the lengths of objects in centimeters	TG 2A Chapter 4 pp. 96–98
11	Read and write a 3-digit number and the corresponding number word	TG 2A Chapter 1 pp. 4–7
12	Work out a multiplication fact	TG 2A Chapter 6 pp. 150–151
13	Use the symbols '>' and '<' for comparison of numbers	TG 2A Chapter 1 pp. 11–14
14	Compare lengths and distances in meters	TG 2A Chapter 4 pp. 93–95
15	Compare masses in kilograms	TG 2A Chapter 5 pp. 121–122
16	Divide objects by grouping	TG 2A Chapter 7 pp. 167–169
17	Solve a 1-step word problem on division	TG 2A Chapter 8 p. 213

Question	Skill	Teacher's Guide (TG)
18	Add within 1000 without regrouping	TG 2A Chapter 2 pp. 30–31
	Subtract within 1000 with regrouping in hundreds and tens	TG 2A Chapter 3 pp. 61–63
19	Interpret a 3-digit number in terms of hundreds, tens and ones	TG 2A Chapter 1 pp. 7–8
20	Solve a 1-step word problem on length	TG 2A Chapter 4 pp. 104–105
21	Solve a 1-step word problem on addition	TG 2A Chapter 2 pp. 34, 36–37
22	Solve a 2-step word problem on length	TG 2A Chapter 4 pp. 105–106
23	Solve a 1-step word problem on mass	TG 2A Chapter 5 pp. 128–129

Mid-Year Test 2

Question	Skill	Teacher's Guide (TG)
1	Count within 1000	TG 2A Chapter 1 pp. 4–7
2	Add within 1000 without regrouping	TG 2A Chapter 2 pp. 30–31
3	Divide numbers within the multiplication table of 2	TG 2A Chapter 8 pp. 206–207
4	Compare the lengths of objects in centimeters	TG 2A Chapter 4 p. 97
5	Compare lengths and distances in meters	TG 2A Chapter 4 pp. 93–95
6	Choose an appropriate unit of measure when measuring mass	TG 2A Chapter 5 pp. 123, 125
7	Continue a number pattern by counting on in ones	TG 2A Chapter 1 pp. 4–7
8	Solve a 1-step word problem on addition	TG 2A Chapter 2 pp. 34, 36–37
9	Solve a 1-step word problem on division	TG 2A Chapter 8 p. 213
10	Work out a multiplication fact within 40	TG 2A Chapter 6 pp. 150–151
11	Measure length in centimeters	TG 2A Chapter 4 pp. 96–98
12	Read and write a 3-digit number and the corresponding number word	TG 2A Chapter 1 pp. 4–7
13	Compare and order masses in kilograms	TG 2A Chapter 5 pp. 121–122
14	Compare masses in kilograms	TG 2A Chapter 5 pp. 121–122
15	Count by twos	TG 2A Chapter 8 pp. 192–193
16	Measure mass in kilograms	TG 2A Chapter 5 pp. 118–120
17	Multiply numbers within the multiplication table of 5	TG 2A Chapter 8 pp. 199–201
18	Divide numbers within the multiplication table of 5	TG 2A Chapter 8 pp. 208–209
19	Add within 1000 with regrouping in tens and ones	TG 2A Chapter 3 pp. 53–55

Question	Skill	Teacher's Guide (TG)
20	Recognize equal groups and find the total number in the groups by repeated addition	TG 2A Chapter 6 pp. 144–145
	Write a number sentence for a given situation involving multiplication	TG 2A Chapter 6 pp. 148–149
21	Solve a 1-step word problem on division	TG 2A Chapter 8 p. 213
22	Solve a 2-step word problem on multiplication	TG 2A Chapter 8 pp. 212–213
23	Solve a 2-step word problem on multiplication and division	TG 2A Chapter 8 pp. 212–213

Mid-Year Test 3

Question	Skill	Teacher's Guide (TG)
1	Read and write a 3-digit number and the corresponding number word	TG 2A Chapter 1 pp. 4–7
2	Compare and order numbers within 1000	TG 2A Chapter 1 p. 15
3	Add within 1000 without regrouping	TG 2A Chapter 2 pp. 30–31
4	Write a number sentence for a given situation involving division by sharing or grouping	TG 2A Chapter 7 pp. 171–173
5	Choose an appropriate unit of measure when measuring length	TG 2A Chapter 4 pp. 99–100
6	Measure mass in kilograms	TG 2A Chapter 5 pp. 118–120
7	Subtract within 1000 without regrouping	TG 2A Chapter 2 pp. 32–33
8	Measure mass in kilograms	TG 2A Chapter 5 pp. 118–120
9	Solve a 2-step word problem involving addition and subtraction	TG 2A Chapter 2 pp. 34–38
10	Multiply numbers within the multiplication table of 5	TG 2A Chapter 8 pp. 199–201
	Multiply numbers within the multiplication table of 10	TG 2A Chapter 8 pp. 202–205
	Multiply numbers within the multiplication table of 2	TG 2A Chapter 8 pp. 192–197
11	Read and write a 3-digit number and the corresponding number word	TG 2A Chapter 1 pp. 4–7
12	Compare lengths and distances in meters	TG 2A Chapter 4 pp. 93–95
13	Interpret a 3-digit number in terms of hundreds, tens and ones	TG 2A Chapter 1 pp. 7–8
14	Multiply numbers within the multiplication table of 2	TG 2A Chapter 8 pp. 192–197
15	Divide numbers within the multiplication table of 2	TG 2A Chapter 8 pp. 206–207
16	Measure mass in grams	TG 2A Chapter 5 pp. 123–124
17	Solve a 1-step word problem on division	TG 2A Chapter 8 p. 213

Question	Skill	Teacher's Guide (TG)
18	Count by twos	TG 2A Chapter 8 pp. 192–193
19	Multiply numbers within the multiplication table of 5	TG 2A Chapter 8 pp. 199–201
20	Tell a number story by finding the total number in the groups using repeated addition	TG 2A Chapter 6 pp. 146–147
	Use mathematical language such as '2 groups of 5' to describe equal groups	
21	Solve a 1-step word problem on length	TG 2A Chapter 4 pp. 104–105
22	Solve a 1-step word problem on mass	TG 2A Chapter 5 pp. 128–129
23	Interpret a 3-digit number in terms of hundreds, tens and ones	TG 2A Chapter 1 pp. 7–8
	Multiply numbers within the multiplication table of 2	TG 2A Chapter 8 pp. 192–197
24	Divide numbers within the multiplication table of 5	TG 2A Chapter 8 pp. 208–209
	Multiply numbers within the multiplication table of 10	TG 2A Chapter 8 pp. 202–205

End-of-Year Test I

Question	Skill	Teacher's Guide (TG)
1	Read and write a 3-digit number and the corresponding number word	TG 2A Chapter 1 pp. 4–7
2	Add within 1000 with regrouping in tens and ones	TG 2A Chapter 3 pp. 53–55
3	Recognize and name a fraction of a whole which is divided into equal parts	TG 2B Chapter 12 p. 95
4	Compare unit fractions	TG 2B Chapter 12 pp. 97–98
5	Find the fraction that must be added to a given fraction to make a whole	TG 2B Chapter 12 p. 96
6	Identify a curve	TG 2B Chapter 15 p. 160
7	Identify the faces of a solid object	TG 2B Chapter 16 pp. 180–182
8	Measure mass in kilograms	TG 2A Chapter 5 pp. 118–120
	Multiply numbers within the multiplication table of 10	TG 2A Chapter 8 pp. 202–205
9	Read a picture graph with scale	TG 2B Chapter 14 pp. 144–147
10	Interpret a picture graph with scale	TG 2B Chapter 14 pp. 144–147
11	Multiply numbers within the multiplication table of 4	TG 2B Chapter 10 pp. 39–42
12	Divide numbers within the multiplication table of 3	TG 2B Chapter 10 pp. 43–44
13	Tell time by 5-minute intervals after the hour	TG 2B Chapter 13 pp. 115–116
14	Compare and order unit fractions	TG 2B Chapter 12 pp. 97–98
15	Identify a line segment and a curve	TG 2B Chapter 15 p. 160
16	Count and tell the amount of money in a set of notes and coins	TG 2B Chapter 11 p. 71
17	Identify and name basic shapes that make up a new shape	TG 2B Chapter 15 pp. 162–163
18	Draw a line of a given length	TG 2A Chapter 4 pp. 102–103

Question	Skill	Teacher's Guide (TG)
19	Measure the length of a line in centimeters	TG 2A Chapter 4 pp. 100–102
20	Continue a pattern of plane shapes according to one or two of the following attributes: size, shape, color or orientation	TG 2B Chapter 15 pp. 166–167
21	Multiply numbers within the multiplication table of 4	TG 2B Chapter 10 pp. 39–42
22	Interpret a picture graph with scale	TG 2B Chapter 14 pp. 144–147
23	Continue a number pattern by counting on in ones	TG 2A Chapter 1 pp. 4–7
24	Divide numbers within the multiplication table of 4	TG 2B Chapter 10 pp. 45–46

End-of-Year Test 2

Question	Skill	Teacher's Guide (TG)
1	Interpret a 3-digit number in terms of hundreds, tens and ones	TG 2A Chapter 1 pp. 7–8
2	Subtract within 1000 with regrouping in hundreds and tens	TG 2A Chapter 3 pp. 61–63
3	Compare unit fractions	TG 2B Chapter 12 pp. 97–98
4	Recognize and name a fraction of a whole which is divided into equal parts	TG 2B Chapter 12 p. 95
5	Know the number of hours in a day	TG 2B Chapter 13 p. 125
6	Identify the faces of a solid object	TG 2B Chapter 16 pp. 180–182
7	Understand that a meter is greater than a centimeter	TG 2A Chapter 4 p. 96
	Use the symbols '>' and '<' for comparison of numbers	TG 2A Chapter 1 pp. 11–12
8	Find the fraction that must be added to a given fraction to make a whole	TG 2B Chapter 12 p. 96
9	Compare amounts of money in dollars and cents	TG 2B Chapter 11 pp. 73–74
10	Find the missing whole in a subtraction sentence	TG 2B Chapter 9 p. 7
11	Divide numbers within the multiplication table of 3	TG 2B Chapter 10 pp. 43–44
12	Recognize and name a fraction of a whole which is divided into equal parts	TG 2B Chapter 12 p. 95
13	Relate multiplication to repeated addition	TG 2A Chapter 6 pp. 148–149
14	Read a picture graph with scale	TG 2B Chapter 14 pp. 144–147
15	Interpret a picture graph with scale	TG 2B Chapter 14 pp. 144–147
16	Solve a 2-step word problem on length	TG 2A Chapter 4 pp. 105–106
17	Find the end time given the start time and duration	TG 2B Chapter 13 pp. 120–121
18	Measure length in centimeters	TG 2A Chapter 4 pp. 96–98

Question	Skill	Teacher's Guide (TG)
19	Fit shapes together to form a picture	TG 2B Chapter 15 pp. 162–163
20	Identify a solid shape after a change in orientation	TG 2B Chapter 16 pp. 185–186
21	Divide numbers within the multiplication table of 5	TG 2A Chapter 8 pp. 208–209
22	Continue a number pattern by counting by twos	TG 2A Chapter 8 pp. 192–193
23	Interpret a 3-digit number in terms of hundreds, tens and ones	TG 2A Chapter 1 pp. 7–8
	Divide numbers within the multiplication table of 3	TG 2B Chapter 10 pp. 43–44
	Multiply numbers within the multiplication table of 3	TG 2B Chapter 10 pp. 35–38
24	Solve a 2-step word problem on division	TG 2A Chapter 8 p. 213
25	Make a picture graph with scale	TG 2B Chapter 14 pp. 144–145

End-of-Year Test 3

Question	Skill	Teacher's Guide (TG)
1	Interpret a 3-digit number in terms of hundreds, tens and ones	TG 2A Chapter 1 pp. 7–8
2	Know the number of weeks in a year	TG 2B Chapter 13 pp. 126–127
3	Compare unit fractions	TG 2B Chapter 12 pp. 97–98
4	Read and write amounts of money in decimal notation	TG 2B Chapter 11 p. 71
5	Recognize and name a fraction of a whole which is divided into equal parts	TG 2B Chapter 12 p. 95
6	Identify the vertices of a solid object	TG 2B Chapter 16 pp. 180–182
7	Identify and name basic shapes that make up a new shape	TG 2B Chapter 15 pp. 162–163
8	Identify a line segment and a curve	TG 2B Chapter 15 p. 160
9	Interpret a picture graph with scale	TG 2B Chapter 14 pp. 144–147
10	Interpret a picture graph with scale	TG 2B Chapter 14 pp. 144–147
11	Identify the flat and curved surfaces of a solid object	TG 2B Chapter 16 pp. 178–180
12	Know the number of days in each month	TG 2B Chapter 13 p. 126
13	Compare unit fractions	TG 2B Chapter 12 pp. 97–98
14	Multiply numbers within the multiplication table of 3	TG 2B Chapter 10 pp. 35–38
15	Divide numbers within the multiplication table of 10	TG 2A Chapter 8 pp. 210–211
16	Continue a pattern of solid shapes according to one or two of the following attributes: shape, size, color or orientation	TG 2B Chapter 16 pp. 184–186
17	Solve a 1-step problem on length	TG 2A Chapter 4 pp. 104–105
18	Find the missing part in an addition sentence	TG 2B Chapter 9 pp. 5–6
19	Measure length in centimeters	TG 2A Chapter 4 pp. 96–98

Question	Skill	Teacher's Guide (TG)
20	Count and tell the amount of money in a set of notes and coins	TG 2B Chapter 11 p. 71
	Compare amounts of money in dollars and cents	TG 2B Chapter 11 pp. 73–74
21	Solve a 1-step word problem involving subtraction	TG 2A Chapter 3 pp. 68–69
22	Interpret a 3-digit number in terms of hundreds, tens and ones	TG 2A Chapter 1 pp. 7–8
	Divide numbers within the multiplication table of 4	TG 2B Chapter 10 pp. 45–46
	Multiply numbers within the multiplication table of 3	TG 2B Chapter 10 pp. 35–38
23	Solve a 2-step word problem on mass	TG 2A Chapter 5 pp. 129–131
24	Solve a 2-step word problem on money	TG 2B Chapter 11 pp. 77–79
25	Solve a word problem on time	TG2B Chapter 13 p. 129