Summer MATH

for Rising Fourth Graders

REVIEW 1

Write the following numbers as words on the lines.

1. 1,915 _____

2. 6,306 _____

Write the numbers on the lines.

3. three thousand, twelve   _____

4. eight thousand, two hundred twenty-eight   _____

Add the following numbers. Show your work.

5.   4,3 7 9   7.   5,3 8 5
      + 2,4 6 8   + 2,4 1 8
      _____   _____

6.   1,0 0 2   8.   4,0 1 6
      + 2,8 9 9   + 3,8 4 9
      _____   _____

Circle the smaller number in each pair.

9.   4,879   4,798

10. 1,050   1,500

Circle the largest number in each set.

11. 3,711   3,177   3,717

12. 6,023   6,203   6,032

Complete the number patterns.

13. 4,614, 4,624, _____, _____, 4,654

14. 7,899, _____, 7,937, 7,956, _____

Arrange the following numbers in order. Begin with the smallest.

4860   6048   4680   6840

15. ▮▮▮▮   ▮▮▮▮   ▮▮▮▮   ▮▮▮▮

_____,   _____,   _____,   _____

Fill in each blank with the correct answer.

16. In 2,036,

(a)   the digit _____ is in the thousands place.

(b)   the value of the digit 6 is _____.

(c)   the digit 0 is in the _____ place.

(d)   the value of the digit _____ is 30.

17. The sum of 7,096 and 1,845 is _____.

18. 4 hundreds 3 tens 4 ones + 9 hundreds 1 ten 5 ones

= _____ hundreds _____ tens _____ ones

= _____ thousand _____ hundreds _____ tens _____ ones

Solve the following word problems. Show your work in the space below.

19. Kwame saved $4,312 in March. He saved $688 more in April than in March. How much did he save in April?

20. Mandy pays $1,375 for a diamond bracelet. She pays $1,999 more for a diamond necklace. How much does Mandy pay for the diamond necklace?

Singapore Math Practice Level 3A

REVIEW 2

Solve the following subtraction problems. Show your work.

1.
$$\begin{array}{r} 9,368 \\ -\ 1,409 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 8,111 \\ -\ 2,401 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 4,755 \\ -\ 1,890 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 6,000 \\ -\ 2,819 \\ \hline \end{array}$$

Write the missing number in each box.

5.
$$\begin{array}{r} 9,5\ \square\ 6 \\ -\ 3,789 \\ \hline 5,747 \end{array}$$

6.
$$\begin{array}{r} \square,544 \\ -\ 1,173 \\ \hline 4,371 \end{array}$$

Fill in each blank with the correct answer.

7. Find the difference between 6,865 and 2,648. _____

8. 2,865 – 1,750 = [ ] _____

9. Subtract 1,011 from 5,900. _____

10. 4,000 – 100 = [ ] _____

Singapore Math Practice Level 3A

11. Subtract 10 from 6,940.   _____

12. Find the difference between 8,000 and 450.   _____

13. 5,050 is 500 less than [   ].   _____

14. Solve the following problems to find Timothy's favorite sandwich.

R	6,3 8 9	T	2,4 1 5
	− 4,6 9 3		+ 1,5 9 6

E	8,2 0 0	A	5,1 8 9
	− 3,8 6 5		+ 2,6 9 0

U	3,4 8 7	B	4,4 4 4
	− 1,5 0 9		+ 2,0 5 5

N	7,7 7 7	P	1,0 9 0
	− 5,9 9 8		+ 2,8 9 5

[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3,985	4,335	7,879	1,779	1,978	4,011

[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
6,499	1,978	4,011	4,011	4,335	1,696

Solve the following word problems. Show your work in the space below.

15. Sophia earns $2,470 a month. June earns $2,745 a month.

    (a) How much more money does June earn than Sophia?

    (b) How much do they earn altogether?

16. Yoko has 2,100 stamps in her collection. Andrew has 1,900 more stamps than Yoko. How many stamps do they have altogether?

17. Shop A sells 4,985 T-shirts in a month. Shop B sells 1,200 T-shirts more than Shop A. Shop C sells 2,350 fewer T-shirts than Shop B. How many T-shirts does Shop C sell?

18. Jake has 3,967 stickers. His brother gives him another 450 stickers. Jake then gives 1,050 stickers to his friends. How many stickers does Jake have left?

19. Raj drove 4,745 mi. in August. He drove 2,080 mi. less in September than in August. Find Raj's total driving distance in these 2 months.

20. Isaiah used 5,000 wooden blocks to build a castle. He used 4,360 fewer wooden blocks to build a house.

(a) How many wooden blocks did he use to build the house?

(b) How many wooden blocks did he use altogether?

Singapore Math Practice Level 3A

Look at the pictures carefully. Fill in each blank with the correct answer.

1.

_____ × _____ = _____   _____ ÷ _____ = _____

_____ × _____ = _____   _____ ÷ _____ = _____

2.

_____ × _____ = _____   _____ ÷ _____ = _____

_____ × _____ = _____   _____ ÷ _____ = _____
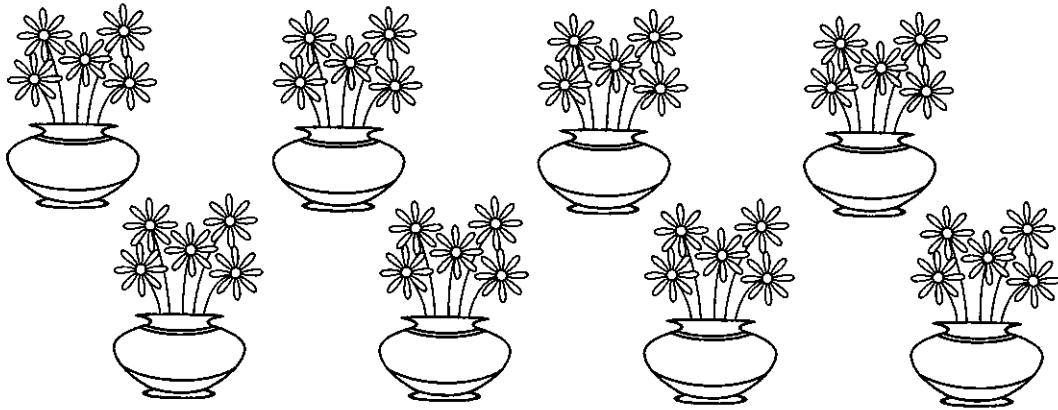
Solve the following multiplication problems. Show your work.

3.
```
    1 4 7
×       8
```

5.
```
    6 3 2
×       4
```

4.
```
    3 1 2
×       3
```

6.
```
    5 0 0
×       3
```

Study the pictures carefully. Fill in each blank with the correct answer.

7.
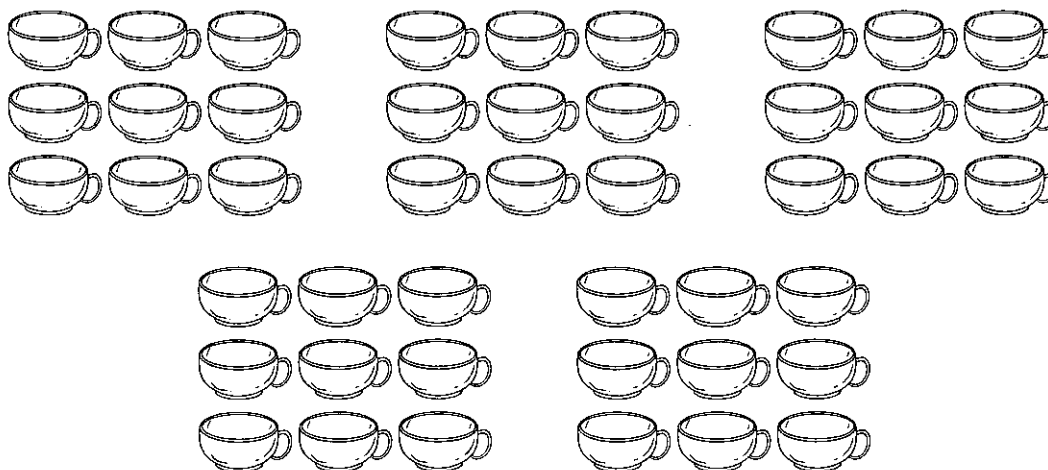
There are _____ groups of mugs.

There are _____ mugs in each group.
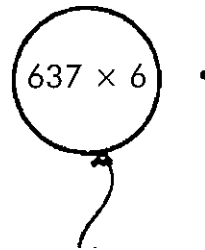
There are _____ mugs altogether.

Singapore Math Practice Level 3A

Match each balloon to the correct girl.

8.

848×8 •

• 2,530

9.

345×7 •

• 3,822

10.

637×6 •

• 1,890

11.

506×5 •

• 2,415

12.

210×9 •

• 6,784

67
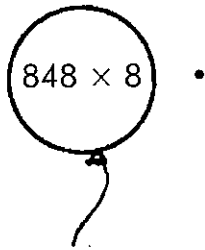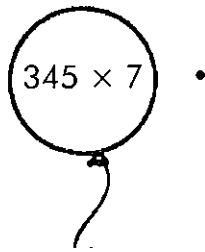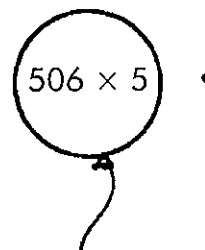
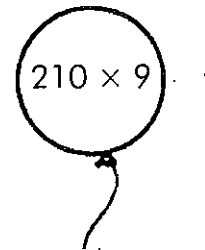**Fill in each blank with the correct answer.**

13. 9 sixes = _____

14. _____ × 8 = 56

15. 4 × _____ = 28

16. _____ × 9 = 63

Solve the following word problems. Show your work in the space below.

17. Maddy uses 139 beads to make a bag. How many beads does she need to make 8 bags?

Singapore Math Practice Level 3A

18. Vijay has 235 stamps in an album. He has 7 albums in his collection. How many stamps does he have altogether?

19. Ava bought 9 packets of ribbons. If there were 54 ribbons in all, how many ribbons were there in each packet?

20. If a car can transport 5 people, how many people can 45 cars transport?

REVIEW 4

Solve the following division problems. Show your work.

1. $7\overline{)537}$

    Quotient: _____

    Remainder: _____

3. $9\overline{)908}$

    Quotient: _____

    Remainder: _____

2. $6\overline{)612}$

    Quotient: _____

4. $4\overline{)504}$

    Quotient: _____

5. What is the smallest 4-digit even number you can make using the digits 3, 5, 2, and 8?

    _____

6. What is the largest 4-digit odd number you can make using the digits 4, 8, 9, and 3.

    _____

7. Solve the following problems to find out where Joseph is going.

I ⓘ $7\overline{)357}$ R Ⓡ $4\overline{)824}$

B Ⓑ $3\overline{)954}$ A Ⓐ $5\overline{)675}$

Y Ⓨ $6\overline{)714}$ L Ⓛ $9\overline{)711}$

$\overline{\quad 79 \quad}$ $\overline{\quad 51 \quad}$ $\overline{\quad 318 \quad}$ $\overline{\quad 206 \quad}$ $\overline{\quad 135 \quad}$ $\overline{\quad 206 \quad}$ $\overline{\quad 119 \quad}$

8. Find the quotient when 278 is divided by 2.   _____

9. Add 37 and 69 mentally.   _____

10. List all the odd numbers from 50 to 60.

_____

11. Subtract 19 from 34 mentally.   _____

12. Find the quotient when 400 is divided by 8.   _____

13. List all the even numbers from 30 to 40.

_____

14. Find the product of 8 and 5 mentally.   _____

15. Find the quotient when 24 is divided by 6.   _____

Solve the following word problems. Show your work in the space below.

16. Serena buys 4 bags of noodles. There are 5 packets of noodles in each bag.

    (a) How many packets of noodles are there altogether?

    (b) Serena gives all the packets of noodles to her friends. If each of her friends receives 2 packets of noodles, how many friends does she give the noodles to?

Singapore Math Practice Level 3A

17. Rashid has 6 albums of stamps. There are 230 stamps in each album. He gives the stamps to his 3 nephews. How many stamps does each nephew receive?

18. Anya uses 8 packets of sugar to bake 2 loaves of banana bread. Each packet of sugar has a mass of 50 g. How much sugar does she need for each loaf of banana bread?

19. Shop A sells 3 toys for $27. Shop B sells the same toys at 5 for $40. If Sadie wants to buy only 1 toy, which shop sells the toy at a cheaper price?

20. Nick travels a total of 464 yd. from his house to the city and back to his house.

    (a) How far is Nick's house from the city?

    (b) How far would Nick travel in 5 days if he were to travel from his house to the city and back to his house?

Singapore Math Practice Level 3A

FINAL REVIEW

Write the numbers on the lines.

1. seven thousand, three hundred _____

2. four thousand, forty _____

Write the following numbers as words on the lines.

3. 5,015 _____

4. 6,411 _____

Write the correct answers on the lines.

5. Find the sum of 3,618 and 2,934. _____

6. Find the difference between 4,372 and 2,465. _____

7. Multiply 149 by 7. _____

8. Find the remainder when 863 is divided by 8. _____

9. Add 16 and 25 mentally. _____

Singapore Math Practice Level 3A

Solve the following problems. Show your work.

10. $\begin{array}{r} 3,891 \\ + 4,623 \\ \hline \end{array}$

11. $\begin{array}{r} 9,000 \\ - 4,515 \\ \hline \end{array}$

12. $7\overline{)800}$

13. $\begin{array}{r} 8,230 \\ - 1,965 \\ \hline \end{array}$

14. $\begin{array}{r} 414 \\ \times \quad 8 \\ \hline \end{array}$

15. $4\overline{)312}$

16. Arrange these numbers in order. Begin with the smallest.

6302   4263   8143   2436

6302, 4263, 8143, 2436

————— , ————— , ————— , —————

17. Fill in the blank with *greater* or *smaller*.

5,920 is _____ than 5,820.

97

18. Look at the picture carefully. Write 2 multiplication and division sentences.

_____ × _____ = _____   _____ ÷ _____ = _____

_____ × _____ = _____   _____ ÷ _____ = _____

19. Complete the number pattern.

2,017, _____, _____, 2,317, 2,417

20.
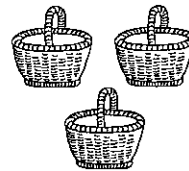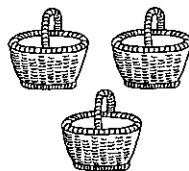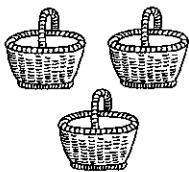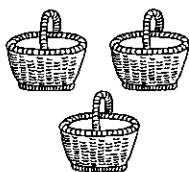
There are _____ groups of baskets.

There are _____ baskets in each group.

There are _____ baskets altogether.

Singapore Math Practice Level 3A

Solve the following word problems. Show your work in the space below.

21. Rachel has 8 bags of seashells. There are 55 seashells in each bag. She then packs all the seashells into 2 bags equally. How many seashells are there in each bag?

22. Carson has 316 bottle caps. James has 3 times as many bottle caps as Carson. Dan has 400 fewer bottle caps than James. How many bottle caps does Dan have?

Singapore Math Practice Level 3A

23. Amrita walks 1,416 yd. to the library from her house. She then goes to a shop which is 165 yd. from the library.

(a) How far is the shop from her house?

(b) Amrita walks to the library and to the shop from her house, using the same route home. How far does she walk?

Singapore Math Practice Level 3A

24. The distance from Kovan City to Lakeview City is 138 km. There are 3 bus stops of equal distance between the 2 cities. If Olivia boards the bus at the first bus stop and gets off at the second bus stop, how far will she travel?

Bus stop ①   Bus stop ②   Bus stop ③

×———————————————|———————————————×

Kovan City   Lakeview City
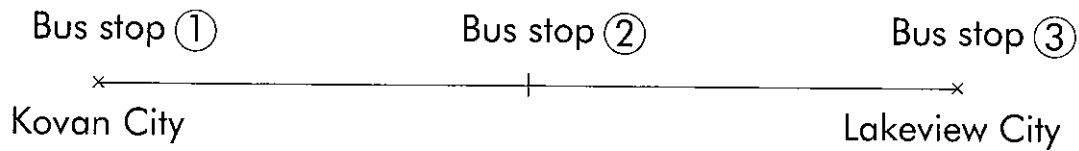
25. Monica paid $1,450 for a sofa. She paid twice as much for an entertainment center. If she gave the cashier $5,000, how much change would she receive?

REVIEW 1

Fill in each blank with the correct answer.

1. (a) 415 cm = ＿＿＿ m ＿＿＿ cm
   (b) 830 cm = ＿＿＿ m ＿＿＿ cm

2. (a) 6,269 m = ＿＿＿ km ＿＿＿ m
   (b) 5,500 m = ＿＿＿ km ＿＿＿ m

3. (a) 7,670 g = ＿＿＿ kg ＿＿＿ g
   (b) 4,008 g = ＿＿＿ kg ＿＿＿ g

4. (a) 4,835 mL = ＿＿＿ L ＿＿＿ mL
   (b) 6,505 ml = ＿＿＿ L ＿＿＿ mL

5. (a) 6 km 975 m = ＿＿＿＿＿ m
   (b) 8 km 8 m = ＿＿＿＿＿ m

6. (a) 9 m 5 cm = ＿＿＿＿＿ cm
   (b) 10 m = ＿＿＿＿＿ cm

7. (a) 2 L 2 mL = ＿＿＿＿＿ mL
   (b) 5 L 275 mL = ＿＿＿＿＿ mL

8. (a) 2 kg 636 g = ＿＿＿＿＿ g
   (b) 5 kg 30 g = ＿＿＿＿＿ g

9.

The mass of a watermelon is ＿＿＿＿＿ g.
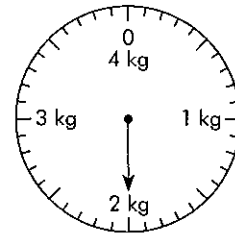
10.
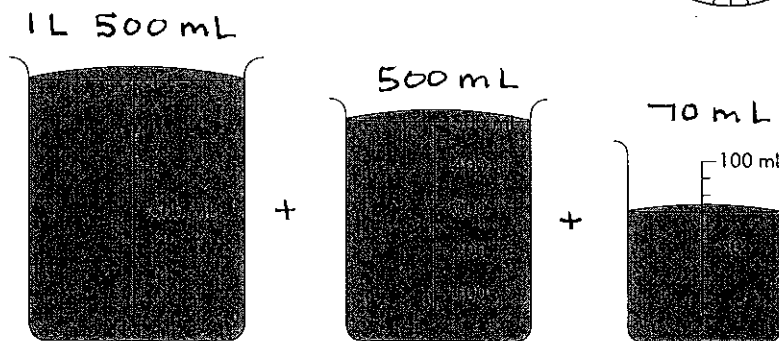
The capacity of a water bottle is ＿＿＿＿＿ mL.

11. Below are some items sold at a bakery.
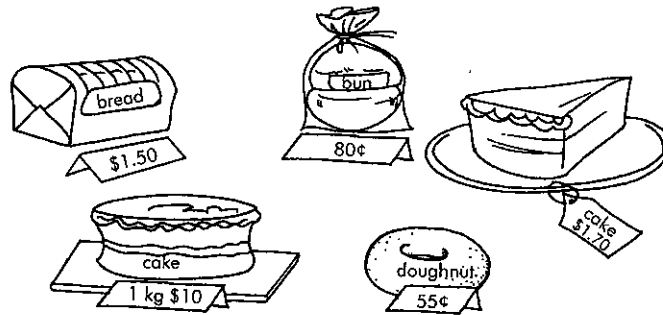
(a) Angie buys a loaf of bread and a piece of cake. How much does she pay altogether?

$_____

(b) Samantha buys 2 buns. She gives the cashier $5. How much change will she receive?

$_____

(c) Tony buys four 1-kg cakes and a doughnut. How much does he pay in all?

$_____

12. Study the map below carefully and answer the following questions.
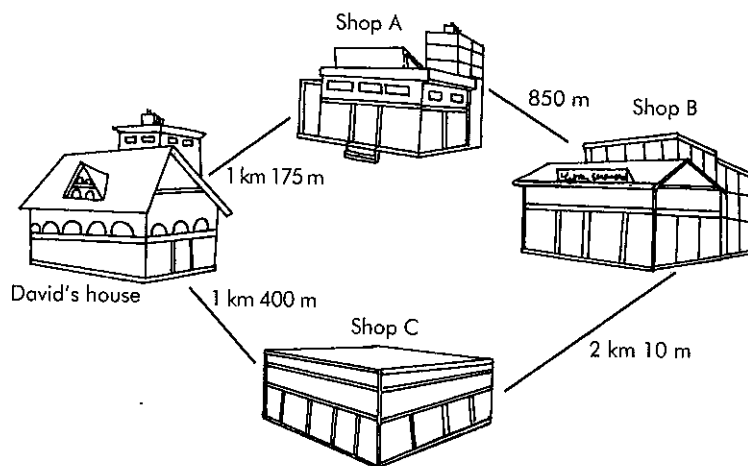
(a) Shop A is _____ m away from Shop B.

(b) Shop C is _____ m away from David's house.

(c) The distance between David's house and Shop A is _____ m.

Singapore Math Practice Level 3B

Solve the following story problems. Show your work in the space below.

13. Ken gives $500 of his salary to his parents. He spends $375 and saves the rest. If he earns $1,200 every month, how much does Ken save?

14. Benjamin jogs twice daily. He jogs a distance of 8 km 120 m each time. How far does Benjamin jog daily? Write your answer in kilometers and meters.

15. Alex spends $410 each month. Sam spends $75 less than Alex. John spends $160 more than Sam. How much does John spend?

16. Greg mixes 4 kg 360 g of cement with 2 kg 500 g of sand.

    (a) How much more cement does he mix? Write your answer in kilograms and grams.

    (b) What is the total mass of the mixture? Write your answer in kilograms and grams.

17. The total length of two poles is 5 m 70 cm. Pole A is 2 m 25 cm long.

    (a) Which pole is longer, A or B?

    (b) How much longer? Write your answer in centimeters.

Singapore Math Practice Level 3B

18. Zoe bought four cartons of milk. If each carton of milk was 250 mL, what was the total volume of the four cartons of milk? Write your answer in liters.

19. Sam pays $10.00 for some oranges, apples, and pears. If the apples cost $3.60 and the pears cost $3.55, how much do the oranges cost?

20. Mandy made 3 L 250 mL of orange juice on Monday. She made 1,670 mL of orange juice on Tuesday. If she poured the orange juice equally into 6 containers, how much orange juice was there in each container?

REVIEW 2

1. The bar graph shows the favorite fruit of the students in Mrs. William's class. Study the bar graph carefully, and fill in each blank with the correct answer.

Favorite Fruit of Mrs. William's Class
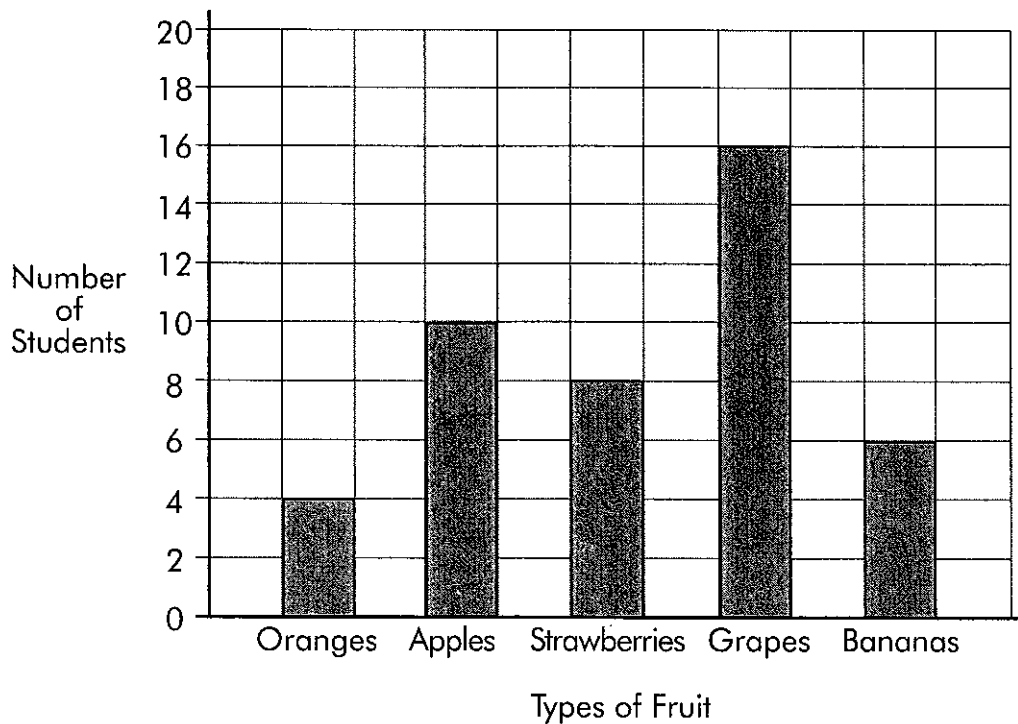
(a) _____ students like strawberries.

(b) _____ students like bananas.

(c) There are _____ more students who like grapes than apples.

(d) There are _____ fewer students who like oranges than bananas.

(e) There are _____ students in the class altogether.

Singapore Math Practice Level 3B

Fill in each blank to make the fractions equivalent.

2. $\dfrac{2}{9} = \dfrac{\square}{45}$

3. $\dfrac{3}{7} = \dfrac{12}{\square}$

Write each fraction in its simplest form.

4. $\dfrac{8}{10} = \dfrac{\square}{\square}$

5. $\dfrac{15}{25} = \dfrac{\square}{\square}$

Fill in each blank with the correct answer.

6. 76 min. = _____ hr. _____ min.

7. 4 hr. 15 min. = _____ min.

Solve each of the following problems.

8. $\dfrac{1}{4} + \dfrac{2}{8} + \dfrac{3}{8} =$

9. $1 - \dfrac{1}{5} - \dfrac{7}{10} =$

Singapore Math Practice Level 3B

10. Circle the larger fraction.

   (a) $\frac{4}{5}$ and $\frac{3}{10}$

   (b) $\frac{8}{9}$ and $\frac{2}{3}$

11. Circle the smaller fraction.

   (a) $\frac{2}{3}$ and $\frac{2}{7}$

   (b) $\frac{3}{8}$ and $\frac{1}{4}$

12. Arrange the fractions in order. Begin with the largest.

   $\frac{2}{3}, \frac{1}{6}, \frac{3}{6}$ _____

13. Arrange the fractions in order. Begin with the smallest.

   $\frac{1}{3}, \frac{1}{5}, \frac{1}{9}$ _____

Fill in each blank with the correct answer.

14.
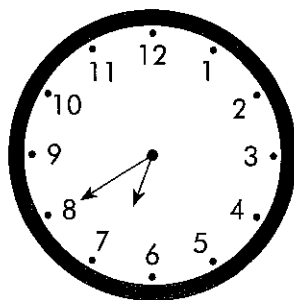
_____ to _____

15. 4 hr. 35 min. + 3 hr. 30 min. = ____ hr. ____ min.

Singapore Math Practice Level 3B

16. Consuela had just received her test scores. Her scores for the four tests are shown in the table below.

95	80	75	80

(a) Use the information above to complete the bar graph.

Consuela's Test Scores

Scores (y-axis: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100)

English   Math   Science   Social Studies
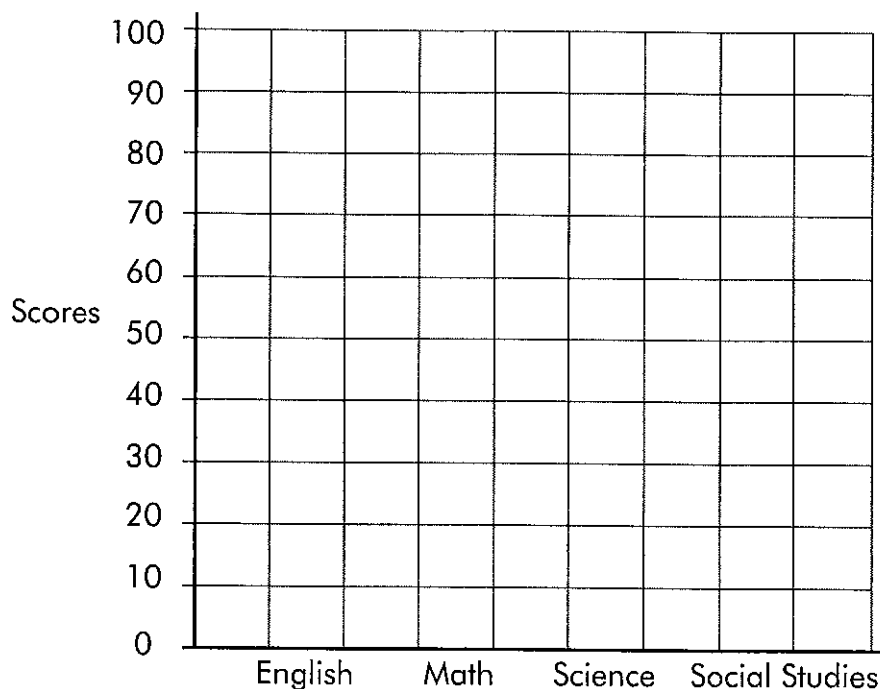
(b) Consuela scored the lowest in _____.

(c) Consuela scored _____ points more in math than in science.

(d) Consuela scored _____ points less in social studies than in English.

Fill in each blank with the correct answer.

17. 9 hr. 15 min. − 3 hr. 45 min. = ____ hr. ____ min.

Draw the correct time on the face of each clock.

18.
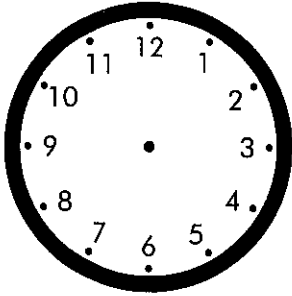
← 30 min. before

10:10 P.M.

19.
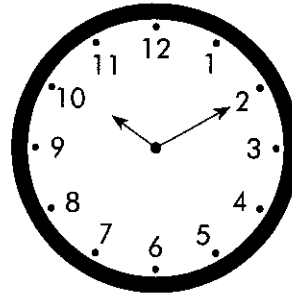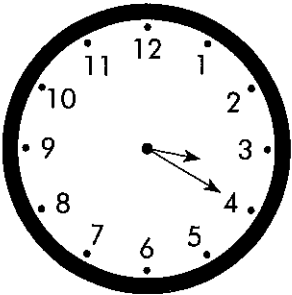
4 hr. 20 min. later →

3:20 P.M.
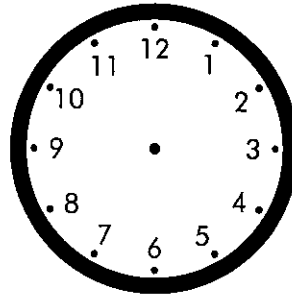
20. Maggie went to the library at 3:15 P.M. She stayed there for 2 hr. 25 min. Draw a timeline to find the time she left the library.
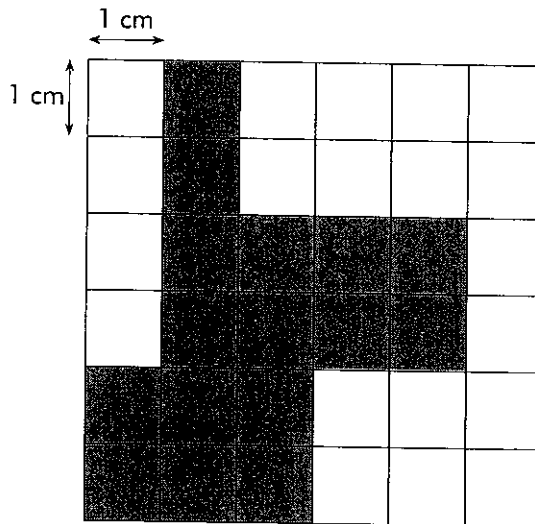
REVIEW 3

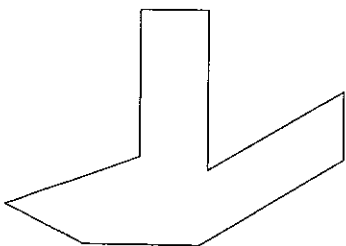1. Mark all angles smaller than a right angle in the figure below.
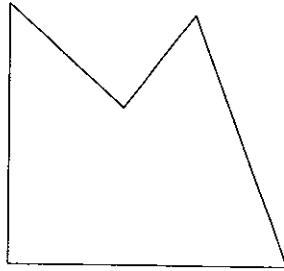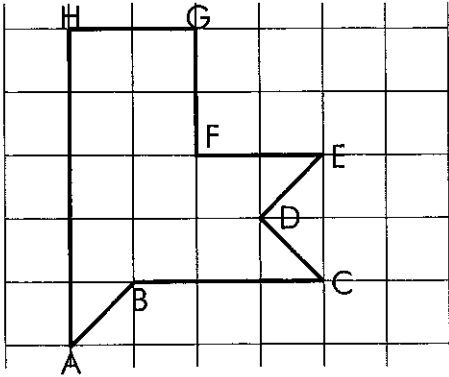

Fill in each blank with the correct answer.

2.

(a) The area of the above figure is _____ cm².
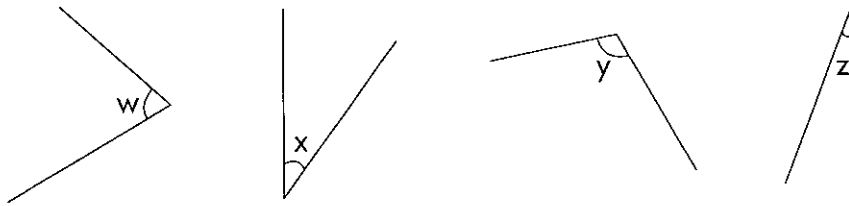
(b) The perimeter of the above figure is _____ cm.

3.

This figure has _____ sides and _____ right angles.

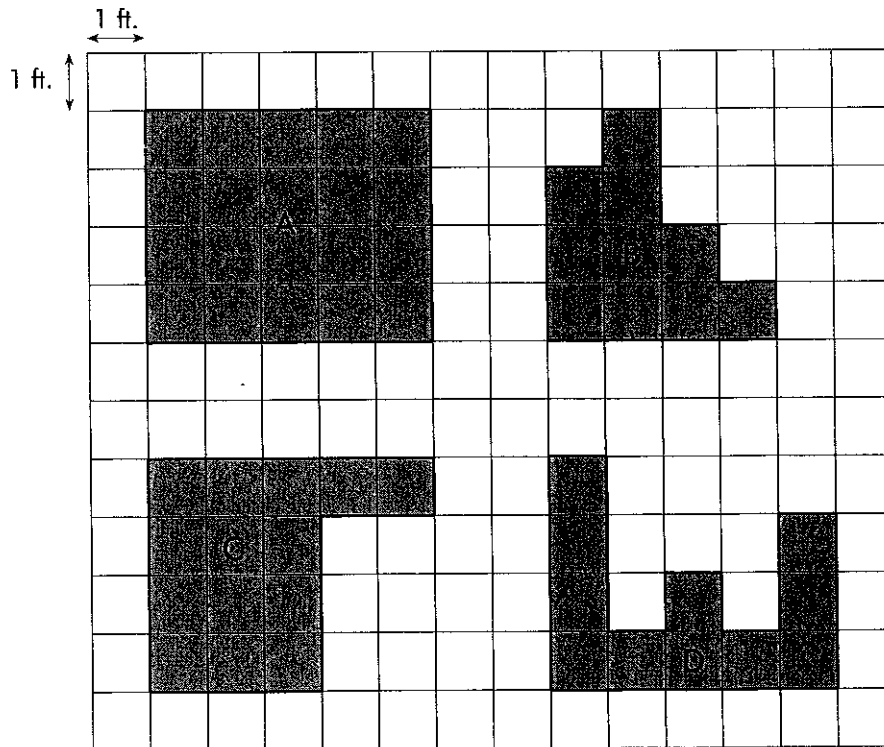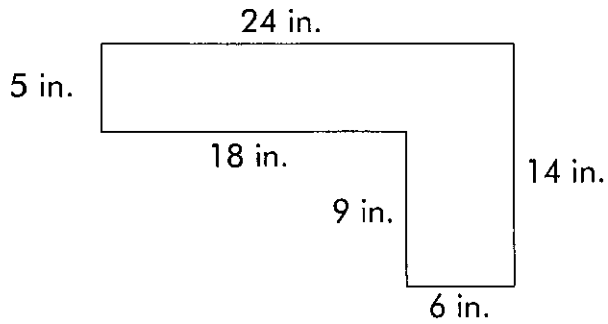4. Identify all the perpendicular lines in the figure below.

_____

5.

(a) Angle _____ is the smallest.

(b) Angle _____ is the largest.

(c) Angle _____ is larger than a right angle.

(d) Arrange the angles in order. Begin with the smallest angle.

_____, _____, _____, _____

6.

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(a)   The area of Figure A is _____ ft.².

(b)   The area of Figure B is _____ ft.².

(c)   The area of Figure C is _____ ft.².

(d)   The area of Figure D is _____ ft.².

(e)   The perimeter of Figure A is _____ ft.

(f)   The perimeter of Figure B is _____ ft.

(g)   The perimeter of Figure C is _____ ft.

(h)   The perimeter of Figure D is _____ ft.

(i)   Figure _____ has the smallest area.

(j)   Figure _____ has the longest perimeter.

7.   Identify all the parallel lines in the figure below.

8. Find the perimeter of the figure below.

24 in.

5 in.

18 in.

9 in.

14 in.

6 in.

_____

9. Identify two pairs of parallel lines in the figure below.

F

E   G

D   H

C   J

B   K

A   L

_____
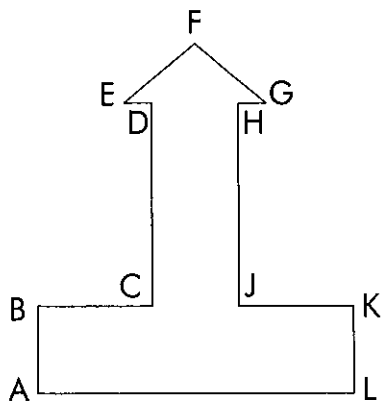
10. Draw 2 lines perpendicular to Line CD. Each line must pass through at least two points on the grid.

D

C

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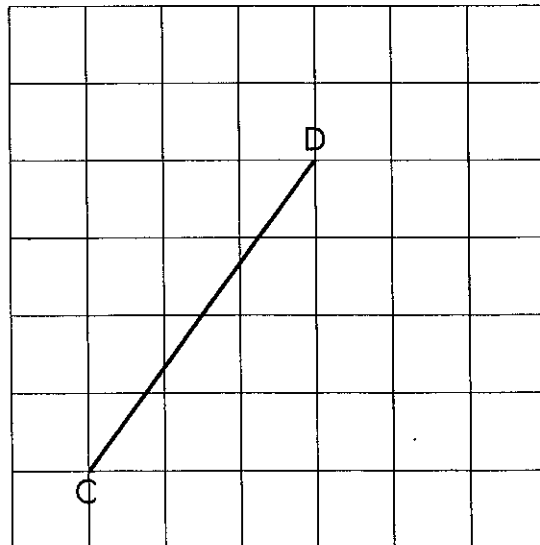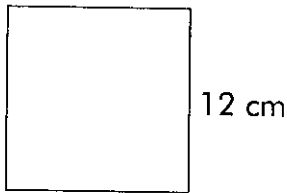
11. Mark all the right angles in the figure below.
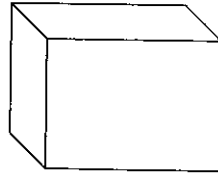
12. Find the area and perimeter of the figure below.

32 in.
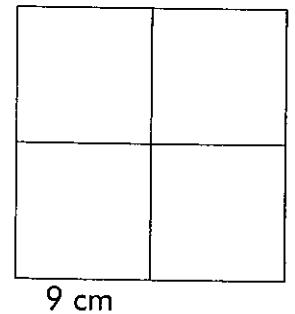
8 in.
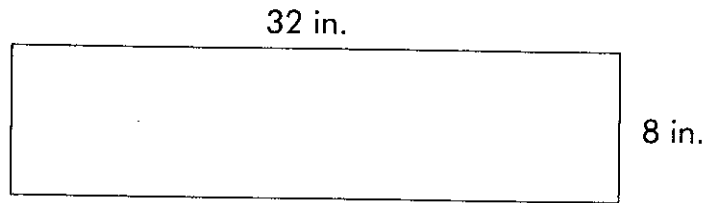
Area = _____ in.²   Perimeter = _____ in.

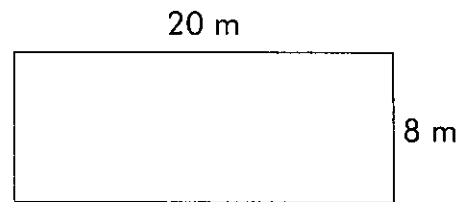13. Find the area of the square.

12 cm

_____

Solve the following story problems. Show your work in the space below.

14. The figure below is made up of four squares. Find the perimeter of the figure.

9 cm

15. The width of a box is 15 in. Its length is twice its width. What is the perimeter of the box?

16. The figure below shows the floor plan of a room. What is the area of the room?

20 m

8 m

17. Emma has a piece of wrapping paper 30 in. by 15 in. She uses 80 in.² of the wrapping paper. What is the area of the remaining wrapping paper?

18. Jennifer uses half of a piece of drawing paper. The remaining drawing paper measures 14 cm by 11 cm. What is the total area of the piece of drawing paper?